

ANNEX

**DOCUMENTATION RECEIVED FOR CANDIDATES FOR THE POSITION OF THE COP-
APPOINTED COUNCILLOR FOR THE SUBJECT AREA OF WILDLIFE HEALTH**

NB: Presented in the original languages, as they were submitted.

**DOCUMENTATION REÇU POUR LES CANDIDATS AU POSTE DE CONSEILLER
NOMMÉ PAR LA COP POUR LE DOMAINE DE LA SANTÉ DE LA FAUNE SAUVAGE**

Note : Présentés dans les langues originales, tels qu'ils ont été soumis.

**DOCUMENTACION RECIBIDA PARA LOS CANDIDATOS PARA EL PUESTO DE
CONSEJERO DESIGNADO POR LA CONFERENCIA DE LAS PARTES PARA EL ÁREA
TEMÁTICA DE LA SALUD DE LA FAUNA SILVESTRE**

Nota: Se presentan en los idiomas originales, tal como fueron presentados.

DR SILVIA NERI GODOY
(Submitted by the candidate)

This section contains:

- Declaration by the candidate expressing their readiness to accept the appointment if selected
- Candidate profile (see UNEP/CMS/COP15/Doc.16.1.Add.1)

Eu, Silvia Neri Godoy, analista ambiental do Centro Nacional de Pesquisa e Conservação de Aves Silvestres (CEMAVE/ICMBio), declaro minha disposição em aceitar a nomeação para a função de Conselheira nomeada pela COP na área temática de espécies invasoras, doenças, animais e insetos selvagens e pragas e plantas marinhas, caso minha candidatura seja selecionada pela Conferência das Partes da Convenção sobre Espécies Migratórias (CMS).

Coloco-me à disposição para desempenhar as atribuições previstas, contribuir tecnicamente com o Conselho Científico e atuar de forma alinhada aos princípios da Convenção e à abordagem de Uma Só Saúde.

I, Silvia Neri Godoy, Environmental Analyst at the National Center for Research and Conservation of Wild Birds (CEMAVE/ICMBio), hereby express my willingness to accept the appointment as a COP-appointed Councillor for the thematic area of invasive species, disease, feral animals, insects, and marine pests and weeds, should my candidacy be selected by the Conference of the Parties to the Convention on Migratory Species (CMS).

I remain fully available to carry out the expected responsibilities, contribute technically to the Scientific Council, and act in alignment with the principles of the Convention and the One Health approach.

DR STUART PATTERSON
(Submitted by the candidate)

This section contains:

- Statement justifying the candidature
- Candidate profile (see UNEP/CMS/COP15/Doc.16.1.Add.1)
- Declaration by the candidate expressing their readiness to accept the appointment if selected
- Publication list (optional)
- Full CV (optional)

Received from Stuart Patterson:

I am writing to express my interest in the position of Convention on Migratory Species COP-appointed Councillor for Wildlife Health. I have been in communication with Dr. Cromie about the role that she has been fulfilling, and Ruth has advised me to contact yourselves to lodge my interest. Ruth was kind enough to say that she was supportive of this application. I'm afraid that I only became aware of this opening on Tuesday evening and so am currently seeking a CMS-Party nomination. However, with the deadline so close, and in the meantime, I attach the Annex 2 Candidate Profile form alongside a publications list and a recent copy of my CV. I have had to pull these documents together relatively quickly I am afraid, but I hope that they cover the material adequately.

I am currently the only individual recognised by the Royal College of Veterinary Surgeons ([RCVS](#)) as Specialist in Wildlife Population Health. At the Royal Veterinary College, where I am a senior lecturer, I have built up a faculty team to create a Wildlife Health team over the last four years.

I'd be happy to discuss this and elaborate on any points.

Best wishes

Stuart Patterson

Stuart Patterson Publications list (as of December 2025)

[Norman, A., Simpson-Brown, E., and Patterson, S. \(2025\) "A retrospective study comparing the safety of ketamine-medetomidine and tiletamine-zolazepam-medetomidine for chemical restraint of captive Panthera spp." *Journal of Zoo and Wildlife Medicine*, 56\(1\), 16-24](#)

[Patterson, S. \(2024\) Utilising a livestock model for wildlife health planning. *Front. Vet. Sci.* 11](#)

[Smith, E.H., Van de Weyer, Y., and Patterson, S. \(2024\) Rabies and the Arctic Fox \(*Vulpes lagopus*\): A review. *Journal of Wildlife Diseases*. 60 \(3\) 572-583](#)

[McCreesh, K., Guthrie, A., Spiro, S., and Patterson, S. \(2024\) A SYSTEMATIC REVIEW OF RETROSPECTIVE MORBIDITY AND MORTALITY STUDIES ON CAPTIVE WILDLIFE SPECIES. *Journal of Zoo and Wildlife Medicine*. 55 \(1\), 1-12](#)

[McCreesh, K., Yaffy, D., Spiro, S., Patterson, S. and Guthrie A. \(2023\) A retrospective analysis of the morbidity and mortality of captive northern bald ibis \(*Geronticus eremita*\), African sacred ibis \(*Threskiornis aethiopicus*\), and scarlet ibis \(*Eudocimus ruber*\) housed at the London Zoo from 2000 to 2020. *Journal of Zoo and Wildlife Medicine* 54 \(1\), 94-101 <https://doi.org/10.1638/2021-0167>](#)

[Ash, A.K. and Patterson, S. \(2022\) Reporting of freshwater cyanobacterial poisoning in terrestrial wildlife: a systematic map. *Animals*. 12 \(18\), 2423 <https://doi.org/10.3390/ani12182423>](#)

[Meredith, A., Anderson, N., Malik, P., Nigam, P., Thomas, A., Masters, N., Guthrie, A., Davidson, H., Patterson, S., Amin, R., Skerratt, L., Kock, R. and Sainsbury, A. \(2022\) Capacity building for wildlife health professionals: the Wildlife Health Bridge. *One Health Implement Res.* 2: 68-78 <http://dx.doi.org/10.20517/ohir.2022.03>](#)

[Duque-Correa, M.J., Biddle, R., Patterson, S., Masters, N. \(2022\) Retrospective study of captive jaguar, *Panthera onca*, mortality in the European breeding population from 2998 to 2018 *Journal of Zoo and Aquarium Research*, 10\(2\), 66-73. <https://doi.org/10.19227/jzar.v10i2.595>](#)

[Titus, S.E., Patterson, S., Prince-Wright, J., Dastjerdi, A. and Molenaar, F.M. \(2022\) Effects of between and within Herd Moves on Elephant Endotheliotropic Herpesvirus \(EEHV\) Recrudescence and Shedding in Captive Asian Elephants \(*Elephas maximus*\) *Viruses* 14, no. 2: 229. <https://doi.org/10.3390/v14020229>](#)

[Patterson, S.J., Clutton-Brock, T.H., Pfeiffer, D.U. and Drewe J.A. \(2022\) Trait-Based Vaccination of Individual Meerkats \(*Suricata suricatta*\) against Tuberculosis Provides Evidence to Support Targeted Disease Control. *Animals* <https://doi.org/10.3390/ani12020192>](#)

[Pereira, M., Stidworthy, M.F., Denk, D., Spiro, S., Guthrie, A., Patterson S. \(2021\) A retrospective study of morbidity and mortality identified at postmortem examination of captive langurs \(*Trachypithecus spp*\) from six United Kingdom zoological institutions: a 19 year review. *Journal of Zoo and Wildlife Medicine* 52 \(4\) 1123-1134 \[doi.org/10.1638/2021-0022\]\(https://doi.org/10.1638/2021-0022\)](#)

[Patterson, S.J., Clarke, C., Clutton-Brock, T.H., Miller, M.A., Parson, S.D.C., Pfeiffer, D.U., Vergne, T. and Drewe, J.A. \(2021\) Combining Analytical Approaches and Multiple Sources of Information to Improve Interpretation of Diagnostic Test Results for Tuberculosis in Wild Meerkats. *Animals*, \[doi.org/10.3390/ani11123453\]\(https://doi.org/10.3390/ani11123453\)](#)

[Guthrie, A., Strike, T., Patterson, S., Walker, C., Cowl, V., Franklin, A. and Powell, D. \(2021\) The past, present and future of hormonal contraceptive use in managed captive female tiger populations with a focus on the current use of deslorelin acetate. *Zoo Biology*, <https://onlinelibrary.wiley.com/doi/10.1002/zoo.21601>](#)

Patterson, S. [Bond, K. Green, M. van Winden, S. and Guitian, J. \(2019\) *Mycobacterium avium paratuberculosis* infection of calves - The impact of dam infection status. Preventative Veterinary Medicine, doi.org/10.1016/j.prevetmed.2019.02.009](#)

Patterson, S., [Drewe, J. A., Pfeiffer, D. U. and Clutton-Brock, T. H. \(2017\), Social and environmental factors affect tuberculosis related mortality in wild meerkats. J Anim Ecol, 86: 442–450. doi:10.1111/1365-](#)

[Clarke, C., Patterson, S. J., Drewe, J. A., van Helden, P. D., Miller, M. A. & Parsons, S. D. C. 2017. Development and evaluation of a diagnostic cytokine-release assay for *Mycobacterium suricattae* infection in meerkats \(*Suricata suricatta*\). BMC Veterinary Research, 13, 2.](#)

Stuart Patterson

BVetMed MSc MVetSci PGCert PhD FHEA MRCVS

SPatterson@rvc.ac.uk

Mobile Number: +44(0)7786088639

Employment History

January 2018 - Present	<p>Associate Dean for Postgraduate Teaching and Learning and Senior Lecturer in Wild Animal Health at the Royal Veterinary College (RVC)</p> <ul style="list-style-type: none">- Overall responsibility for developing and managing postgraduate courses both within the RVC and in collaboration with partner organisations- Head of Wildlife Health group- Course director for MSc in Wild Animal Biology and MSc Wild Animal Health programmes (2018-2021) and Pathway leader for BSc/MSci Biological Sciences (Wildlife Health Sciences (formerly MSc in Wild Animal Biology) (2017-present) <p>Relevant skills acquired/developed: Management, Leadership, Communication styles, Budget responsibility, Inter-institutional collaboration, Driving change, Problem solving, Networking, Building an inclusive team, Strategy</p>
September – December 2017	<p>Lectureship in Dairy Medicine at the Royal Veterinary College</p> <ul style="list-style-type: none">- Pathway leader for MSc in Wild Animal Biology- Teaching Veterinary and Science students at both undergraduate level <p>Relevant skills acquired/developed Leadership, Communication</p>
July 2009 – August 2012	<p>Senior Assistant Veterinary Surgeon (Farm animal), Westpoint Veterinary Services (Ashbourne) LLP, Derbyshire, UK</p> <p>Relevant skills acquired/developed Client Relationships, Business management, Population Health</p>
September 2008 – Jun 2009	<p>Veterinary Surgeon (Farm animal), Wood Veterinary Group</p> <p>Relevant skills acquired/developed Education campaigns for clients (public messaging), Agricultural awareness</p>
September 2007 – August 2008	<p>Farm Animal Veterinary Surgeon, Westpoint Veterinary Services</p> <p>Relevant skills acquired/developed: Teamwork</p>
July 2007 – August 2007	<p>Veterinary Surgeon (Small animal), A.K. Duncan Veterinary Clinic</p> <p>Relevant skills acquired/developed Professional working</p>

Education

2019-20	<p>Postgraduate Certificate in Veterinary Education</p> <p>This course focuses on providing training for clinical educators in Higher Education</p> <p>Relevant skills acquired/developed Communication styles and managing difficult conversations, Understanding of learning styles</p>
2013-2017	<p>PhD in Wildlife Epidemiology, Royal Veterinary College, University of London “Translating Theory into Practice: Targeted disease control in Kalahari meerkats”</p> <p>I worked to investigate the practical approach to managing tuberculosis in meerkats. This involved understanding and developing diagnostic tests, design and implementation of a vaccine strategy, and analysis of experimental results. It built upon my experiences in practice of UK cattle tuberculosis management whilst putting my epidemiological training into practice.</p> <p>Relevant skills acquired/developed Project management, Academic Writing, Understanding of fieldwork, Interdisciplinary collaboration, Evidence-based policy</p>
2012-2015	<p>MVetSci in Veterinary Conservation Medicine, University of Edinburgh</p> <p>The course aims to enhance knowledge of interactions between animals, humans and ecosystems, whilst providing veterinary skills for engaging in conservation medicine.</p> <p>Relevant skills acquired/developed Time management (part-time course), Appreciation of the role of ecology in disease, Importance of animal health to an ecosystem and vice-versa, Tools for environmental advocacy, Stakeholder engagement</p>
2012-2013	<p>MSc in Veterinary Epidemiology, Royal Veterinary College, University of London This course is jointly run by the RVC and the London School of Hygiene and Tropical Medicine. I gained a distinction, and the prize for first place on the course. For my dissertation I modelled the spread of canine distemper virus in Amur leopards (<i>Panthera pardus orientalis</i>) in order to produce a disease risk analysis for a reintroduction programme.</p> <p>Relevant skills acquired/developed Scientific approach, Evidence-based policy</p>
2002-2007	<p>Bachelor of Veterinary Medicine (BVetMed) Royal Veterinary College</p> <p>Veterinary undergraduate degree, during which I achieved a distinction for my final year research project looking into cattle nutrition.</p> <p>Relevant skills acquired/developed: First insights into population health</p>

Further Practical Training

2020	<p>Malilangwe Course in Chemical and Physical Restraint of African Wildlife</p> <p>Awarded third place overall on the annual course organised by Wildlife Capture Africa in Zimbabwe. This course focussed on the chemical immobilisation of wild animals in Africa.</p>
------	---

Professional Recognition

2024 – Present. Designated a **Specialist in Zoo and Wildlife Medicine (Wildlife Population Health)** by the Royal College of Veterinary Surgeons; the first award to be made in this speciality.

Professional Roles

- 2024 – Present. **Member** of DEFRA’s Wildlife Disease Core Group. National government policy role involving quarterly meetings with DEFRA to receive a range of surveillance reports and advise on both these and potential upcoming challenges.
- 2023 - Present. Invited **member** of *ad hoc* working groups as an expert advisor for the World Organisation for Animal Health, initially the Next Generation Wildlife Health Information System group, and currently a Global Wildlife Health Data Sharing panel. Insights into international policy processes.
- 2020 – Present. **Assistant Editor** for the Journal of Wildlife Disease. In addition to my regular associate editor role, since 2018 I have been running a pilot scheme with JWD to promote contributors’ work and increase research visibility through a YouTube channel.
- 2019 – 2024. British Veterinary Zoological Society Council member. In this role I have responsibility for the organising of the Wildlife Health Day at the society’s annual meeting. Elected as **Junior Vice-President** in 2021 and **President** in 2022
- 2018 – Present. **Visiting Lecturer** at the University of Bristol and **external examiner** since 2023.
- 2018 – Present. Wildlife Health Bridge Committee member. Involved in planning and running practical field courses for wildlife veterinarians in India and Kenya.
- 2018 – Present. **Member of the IUCN Wildlife Health Specialist Group**. Insights into international policy, giving expert advice.
- 2017 - Present. Member of the Wildlife Disease Association’s Student Activities Committee and **Co-Chair** of the Student Awards Committee

Conference Presentations

- **Wildlife Disease Association Annual Meeting – British Columbia 2025** “Defining Population Health in Rewilding Projects by Stakeholder Engagement” (Poster presentation)
- **Veterinary Education Conference – Bristol 2025**. “Postgraduate students as role models for veterinary career pathways” (Oral presentation)
- **British Cattle Veterinary Association Congress 2024**. “Rewilding for cattle practitioners; what’s that all about?” (Workshop)
- **Wildlife Disease Association Annual Meeting – Georgia 2023**. “Cross-cultural learning and training of wildlife health professionals: the Wildlife Health Bridge” (Oral)
- **Wildlife Disease Association Annual Meeting – Florida 2018**. “An Intervention Trial of Two Targeted Vaccination Strategies Against Tuberculosis in Wild Meerkats” (Oral)

- **Society for Veterinary Epidemiology and Preventive Medicine** – Tallinn 2018. “Association between dam status and offspring *Mycobacterium avium* subspecies *paratuberculosis* infection in a long-term longitudinal study” (Oral)
- **Wildlife Disease Association Annual Meeting – Cornell 2016**. “Who’s at risk: heterogeneities in individuals’ risk of tuberculosis in wild meerkat groups” (Oral)

Professional Memberships

- Royal College of Veterinary Surgeons
- British Veterinary Zoological Society
- British Ecological Society (Conservation Special Interest Group)
- Fellow of the Higher Education Academy
- Wildlife Disease Association
- European Association of Zoo and Wildlife Veterinarians

Publications

1. Norman, A., Simpson-Brown, E., and **Patterson, S.** (2025) "A retrospective study comparing the safety of ketamine-medetomidine and tiletamine-zolazepam-medetomidine for chemical restraint of captive *Panthera* spp." *Journal of Zoo and Wildlife Medicine*, 56(1), 16-24
2. **Patterson, S.** (2024) Utilising a livestock model for wildlife health planning. *Front. Vet. Sci.* 11
3. Smith, E. Van de Weyer, Y. and **Patterson S.** (2024) Rabies and the Arctic Fox (*Vulpes lagopus*): A review. *Journal of Wildlife Diseases* 60 (3), 572-583
4. McCreesh, K. Guthrie, A. Spiro, S. and **Patterson S.** (2024) A systematic review of morbidity and mortality studies on captive wildlife species. *Journal of Zoo and Wildlife Medicine* 55 (1), 1-12
5. McCreesh, K. Yaffy, D. Spiro, S. **Patterson, S.** and Guthrie A. (2023) A retrospective analysis of the morbidity and mortality of captive northern bald ibis (*Geronticus eremita*), African sacred ibis (*Threskiornis aethiopicus*), and scarlet ibis (*Eudocimus ruber*) housed at the London Zoo from 2000 to 2020. *Journal of Zoo and Wildlife Medicine* 54 (1), 94-101
6. Ash, A.K. and **Patterson, S.** (2022) Reporting of freshwater cyanobacterial poisoning in terrestrial wildlife: a systematic map. *Animals*. 12 (18), 2423
7. Meredith, A. Anderson, N. Malik, P. Nigam, P. Thomas, A. Masters, N. Guthrie, A. Davidson, H. **Patterson, S.** Amin, R. Skerratt, L. Kock, R. and Sainsbury, A. (2022) Capacity building for wildlife health professionals: the Wildlife Health Bridge. *One Health Implement Res.* 2: 68-78
8. Duque-Correa, M.J. Biddle, R. **Patterson, S.** Masters, N. (2022) Retrospective study of captive jaguar, *Panthera onca*, mortality in the European breeding population from 2998 to 2018 *Journal of Zoo and Aquarium Research*, 10(2), 66-73
9. Titus, S.E. **Patterson, S.** Prince-Wright, J. Dastjerdi, A. and Molenaar. F.M. (2022) Effects of between and within Herd Moves on Elephant Endotheliotropic Herpesvirus (EEHV)

Recrudescence and Shedding in Captive Asian Elephants (*Elephas maximus*) *Viruses* 14, no. 2: 229.

10. **Patterson, S.J.** Clutton-Brock, T.H. Pfeiffer, D.U. and Drewe J.A. (2022) Trait-Based Vaccination of Individual Meerkats (*Suricata suricatta*) against Tuberculosis Provides Evidence to Support Targeted Disease Control. *Animals*
11. Pereira, M. Stidworthy, M.F. Denk, D. Spiro, S. Guthrie, A. **Patterson S.** (2021) A retrospective study of morbidity and mortality identified at postmortem examination of captive langurs (*Trachypithecus spp*) from six United Kingdom zoological institutions: a 19 year review. *Journal of Zoo and Wildlife Medicine* 52 (4) 1123-1134
12. **Patterson, S.J.** Clarke, C. Clutton-Brock, T.H. Miller, M.A. Parson, S.D.C. Pfeiffer, D.U. Vergne, T. and Drewe, J.A. (2021) Combining Analytical Approaches and Multiple Sources of Information to Improve Interpretation of Diagnostic Test Results for Tuberculosis in Wild Meerkats. *Animals*
13. Guthrie, A. Strike, T. **Patterson, S.** Walker, C. Cowl, V. Franklin, A. and Powell, D. (2021) The past, present and future of hormonal contraceptive use in managed captive female tiger populations with a focus on the current use of deslorelin acetate. *Zoo Biology*, <https://onlinelibrary.wiley.com/doi/10.1002/zoo.21601>
14. **Patterson, S.** Bond, K. Green, M. van Winden, S. and Guitian, J. (2019) *Mycobacterium avium paratuberculosis* infection of calves - The impact of dam infection status. *Preventative Veterinary Medicine*, 181
15. **Patterson, S.**, Drewe, J. A., Pfeiffer, D. U. and Clutton-Brock, T. H. (2017) Social and environmental factors affect tuberculosis related mortality in wild meerkats. *Journal of Animal Ecology*, 86: 442–450
16. Clarke, C., **Patterson, S. J.**, Drewe, J. A., van Helden, P. D., Miller, M. A. & Parsons, S. D. C. (2017) Development and evaluation of a diagnostic cytokine-release assay for *Mycobacterium suricattae* infection in meerkats (*Suricata suricatta*). *BMC Veterinary Research*, 13, 2

References

Referee details available upon request

DR DHARMAVEER SHETTY

(Submitted by the candidate)

This section contains:

- Statement justifying the candidature
- Candidate profile Candidate profile (see UNEP/CMS/COP15/Doc.16.1.Add.1)
- Declaration by the candidate expressing their readiness to accept the appointment if selected
- Full CV (optional)

JUSTIFICATION STATEMENT

Dr Dharmaveer Shetty is an internationally recognised veterinary epidemiologist with extensive experience in wildlife health, emerging diseases, and multisectoral surveillance across regions. His career has focused on understanding and managing disease risks in wildlife, including work on bat associated emerging diseases under the PREDICT project and avian influenza related assessments aligned with OFFLU and WOA's technical programmes. He has contributed to wildlife surveillance guidance with CITES, EFSA's aquatic reservoir analyses, and global discussions on pathogen emergence through the WHO SAG O.

As Global Wildlife Networks Coordinator at WOA, he supported 183 national focal points and 23 collaborating centres and established the organisation's first wildlife health collaborating centre network. This role required consensus building across governments, intergovernmental partners, and scientific institutions. He served as secretariat to the WOA Emerging Diseases Group, coordinating global emerging disease policy processes and producing the organisation's first evidence based emerging disease threats watchlist.

He contributed to the FAO led Quadripartite mpox surveillance guide and coordinated WOA's internal mpox technical response. These experiences demonstrate his ability to integrate science, policy, and operational needs across agencies and disciplines.

Given the Scientific Council's increasing focus on wildlife health, avian influenza, and cross border disease management, his background aligns closely with the subject area and the needs of the next intersessional period.

READINESS DECLARATION

I, Dr Dharmaveer Shetty, confirm my readiness to accept appointment as COP appointed Councillor for Invasive species, disease, feral animals, insects, and marine pests and weeds for the intersessional period between COP15 and COP16 if selected.

Digitally signed,

Dharmaveer Shetty

B. DHARMAVEER SHETTY

Email: dharmaveershetty@gmail.com

Phone/WhatsApp/Signal +91-7338500961 / +33-784893804

PROFESSIONAL PROFILE

Global expert in One Health, emerging diseases, and wildlife epidemiology with 21+ years of international experience spanning government, academia, and multilateral organisations. Demonstrated leadership in designing global health networks, managing intergovernmental partnerships, and deploying data-driven solutions (AI, ML, Bayesian networks) to improve health outcomes at the human-animal-environment interface. Recognised for strategic vision, coalition-building, and ability to translate science into policy and action.

CURRENT ROLES

World One Health Association (in formation)

Co-Founder and Global Convener

2025 to Present, Global

- *Lead early institutional development, governance structure, and pilot design.*
- *Coordinate the Founders Circle of senior practitioners from governments, research institutions, and multilateral agencies.*
- *Guide creation of the early pilots like the National One Health Coordinators Forum and governance working structures*

Wildlife Disease Association

Chair, Ethics Committee

2025 to Present, Global

- *Lead the Association's Ethics Committee and oversee review of ethical matters raised by members.*
- *Develop ethics guidance and ensure deliberations follow clear, fair, and transparent processes.*
- *Coordinate an international panel supporting the Association's scientific and professional work.*
- *Founding Chair who was entrusted to establish the Ethics Committee for the historical global association.*

EDUCATION

- 2025 **Exercising Leadership: Foundational Principles**, Harvard University, USA (online)
- 2019 **PhD in Epidemiology**, University of California Davis, Davis, USA
- 2015 **Masters in Preventive Veterinary Medicine**, University of California Davis, Davis, USA
- 2009 **Envirovet**, University of California Davis and University of Illinois UC, USA
- 2008 **Master of Science**, Wildlife Biology and Conservation, NCBS, India
- 2005 **BVSc and AH**, Veterinary Medicine, KVAFSU Veterinary College, India

PROFESSIONAL EXPERIENCE

World Organisation for Animal Health (WOAH)

*Coordinator, Global Wildlife Health Networks & Secretariat, Emerging Diseases Group
2022 to 2025, WOA HQ, Paris, France*

- Coordinated global wildlife health networks across 183 countries under WOA's Wildlife Health Framework.
- Served as Secretariat for the Emerging Diseases Group, supporting technical and policy guidance on prevention, preparedness, and emerging threats.
- Helped deliver WOA's first evidence-based global emerging disease threats watchlist.
- Helped establish the global Wildlife Health Collaborating Centre Network across five continents.
- Represented WOA in international expert fora, including WHO SAGO and EFSA working groups.
- Develop and deliver regional trainings, support capacity-building for 183+ Member Countries.

University of California Davis

*Postdoctoral Fellow and Research Associate
2019 to 2022, California, USA*

- Developed machine-learning and microbial risk models for California dairy systems.
- Contributed to COVID-19 research on non-pharmaceutical interventions with collaborators from Harvard and Stanford.
- Developed the COVID Superheroes project that translated and communicated COVID-19 science through the use of digital media through 15,000 communiqués that lead to over 2 million views worldwide.

University of California Davis

*Graduate Researcher
2011 to 2019, California, USA*

- Built epidemiological and statistical models for emerging and multi-host pathogens.
- Conducted field and analytical research on tigers and other wildlife as part of a multi-institutional study.
- Contributed to development of databases and digital hazard tools for emerging infectious disease risk.

Government of Karnataka, India

*Veterinary Officer, Bandipur Tiger Reserve, Mysore Zoo, Jersey Breeding Farm, and Kasuvinahalli
2009 to 2011, India*

- Managed veterinary hospitals and coordinated field operations in national parks and zoos.
- Managed veterinary care for animal patients.

National Centre for Biological Sciences, India

*Project Researcher, Lion Health Project
2008 to 2009, India*

- Conducted field research on Asiatic lions in Gir National Park.

Wildlife Trust of India

Wildlife Health Consultant

2008, India

- Surveyed captive Asiatic elephants as part of a regional health assessment.

Veterinarian Roles

Veterinarian and Founder

2005 to 2008, India

- Founded a veterinary advisory service called '360 Bangalore Vet Zone'
- Junior veterinarian at the Vaatsalya Veterinary Clinic, Bangalore
- Managed small-animal practice and client services.

SIGNIFICANT AWARDS, HONORS, AND FELLOWSHIPS

- Inducted into the Sigma Xi Scientific Honor Society (2022–23)
- AHEAD Beyond Boundaries Award, Wildlife Conservation Society (2009)
- WCS Health Program Project Grant (2015)
- WCS Health Program Follow-up Grant (2017)
- WCS Health Program Follow-up Grant (2018)
- NRST Fellowship, UC Davis (2016)
- NRST Fellowship, UC Davis (2017)
- GGE Fellowship, UC Davis (2016)
- MPVM Professional Fellowship, UC Davis (2014)
- Outstanding Graduate (online), MPVM Program (2014)
- National Veterinary Entrepreneurship Academy Scholarship (2021)
- MLSS Best Outgoing Veterinary Student Award (2005)

PROFESSIONAL MEMBERSHIP

- Wildlife Disease Association
- American Association of Zoo Veterinarians
- Ecological Society of America
- American Association for the Advancement of Science
- Epicore Certified Member

CORE COMPETENCIES

- Global Health Governance | Network Strategy | Policy Advocacy
- Emerging Diseases | One Health | Science to Policy Translation
- Wildlife Health Systems | Spillover Prevention | Surveillance Capacity Building
- AI and Epidemiological Modelling | Machine Learning | Data Platforms
- Scientific Communication | Stakeholder Engagement | Grant Leadership

SELECTED IMPACT

- Secretariat lead for the global Emerging Diseases Group at the World Organisation for Animal Health WOAHA, delivering the first evidence based global emerging disease threat watchlist for our 183 Member multilateral body.
- Architect of the WOAHA Wildlife Health Collaborating Centre Network, joining twenty two institutes across five continents
- Co-conceptualised the PathFinder (Pathogen Finder) digital hazard tool under USAID PREDICT Emerging Threats Project, towards identifying global geospatial zoonotic disease threats
- Worked on COVID-19 NPIs in the pre-vaccination era, along with collaborators from Stanford and Harvard.
- Advisor for the Artificial Intelligence project for detecting Pandemic/Zoonotic spillover, being build on the PPP model with Atos, WWF, WOAHA, FRI, and other partners.
- Observer for WOAHA on high level panels including the WHO SAGO and the EFSA panel on aquatic reservoir hosts.
- Co founder and Chief Catalyst for the World One Health Association
- Global Network Coordinator for the 183 Member (country) WOAHA Wildlife Focal Point Network
- Chair/Facilitator for the global Wildlife Focal Point Training from WOAHA across Asia, Americas, Afric, and Africa
- Coordinated the development of the global WOAHA Risk Guidance on Mpox Spillback from Humans to Animals
- Inducted into the Sigma Xi Scientific Honour Society
- Created a blueprint for identifying reservoir hosts of emerging infectious diseases using genetic, geographical, and epidemiological data.

LEADERSHIP INITIATIVES

- Founder, One Health India and COVID Superheroes (2020–2022)
15,000+ science posts, 2M+ views, online training platform.
- Chair/Facilitator, Wildlife Focal Point Training (WOAHA Asia, Americas, Africa)
- Lead the establishment of the WOAHA Global Collaborating Centre Network for Wildlife Health, creating a unified framework for technical support to 183 Members.
- Led the Large Carnivore Conservation Health Programme in India, coordinating a multi-institutional network across the country and internationally.

SELECT PUBLICATIONS AND POLICY OUTPUTS

- Risk Guidance on Mpox Spillback from Humans to Animals: WOAHA, 2023
- Multi-author EFSA reports on wildlife reservoir species: EFSA Journal, 2023–24
- Multiple scientific and technical publications in peer-reviewed journals
- WOAHA Panorama issue editor for Wildlife Health and biodiversity
- Animal Echo (2024): Artificial Intelligence for Animal Health: Real-World Applications and Case Studies

.....END OF CONCISE RESUME.....

DETAILED CV BEGINS

Extended CV: For Reference

PROFESSIONAL EXPERIENCE

- 2025 onwards **Co-Founder, World One Health Association** (initial phase)
- 2022 to 2025 **(1) Secretariat: WOA's Emerging Diseases Group**
(2) Global Wildlife Networks Coordinator,
World Organisation for Animal Health, Headquarters, Paris, France
Secretariat to the WOA's Global Emerging Diseases Group, which advises WOA on the prevention, preparedness, and response to emerging diseases
Coordinating and creating global wildlife health networks across member countries, including scientific and policy networks.
- 2020 to 2022 **Postdoctoral Research Fellow, University of California Davis (UC Davis), CA, USA**
Using Machine Learning and Next Generational Genetic Sequencing Techniques to model zoonotic *Escherichia coli* and microbes in the dairy agroecosystems of California
- Founder and coordinator, One Health India and COVID Superheroes, India/Global**
Online Platform for communicating COVID-19 science through the use of digital media, crowdsourcing, and citizen science. Over 15,000 communiqués with over 2 million views worldwide. Also, aims to foster and build a One Health community in India.
www.ohiweb.com | www.covidsuperheroes.org
- Member, COVID-19 Distributed Volunteer Research Network, USA**
Using complex multi-source big data to build databases investigating the effect of non-pharmaceutical interventions on COVID-19 in the USA, in a team comprising of Maryaline (Analysis Group), Sherri Rose (Stanford), and Maia Majumder (Harvard)
- Scientific communication, Wildlife Disease Association, USA**
Scientific communication and online content creation for the association of wildlife disease professionals; part-time professional volunteer activity
- 2019 to 2020 **Research Associate, One Health Institute, UC Davis, CA, USA**
Epidemiological analysis and statistical models including Bayesian Phylogeographic Models, Social Network Models, and Geospatial Risk Models
- (Redacted) **Outbreak Epidemiologist, Multiple outbreaks, Location and Specifics redacted**
Provided medical, epidemiological, and scientific advisories involving outbreak investigation, preparation, prevention, diagnostics, and response.
- 2015 to 2019 **Graduate Student Researcher, One Health Institute, UC Davis, CA, USA**
Built Epidemiological and statistical models, including Bayesian Phylogeographical models, network models, and risk models. These models were built in an international,

multi-institutional research project titled ‘Molecular Epidemiology of multi-host pathogens (canine distemper virus and *Carnivore protoparvovirus 1*) in tigers and other wildlife’ that was co-lead/coordinated by me. For Professor Jonna Mazet

- 2011 to 2015 **Graduate Student Researcher, One Health Institute, UC Davis, CA, USA**
Mentored by Professor Jonna Mazet and employed by the PREDICT USAID Emerging Pandemic Threats Project. Assisted in the conceptualization of an ‘emerging infectious diseases’ global digital hazard tool called *Pathfinder* (Pathogen Finder), data aggregator for the Zoonotic Pathogen Meta Study Database, and conceptualization of a Reston Ebolavirus Reservoir host project in the Philippines.
- 2009 to 2011 **Health Lead and Veterinary Officer, Government of Karnataka, India**
Led 3 Veterinary Centres/Hospitals, and the second-in-command of 1 veterinary hospital Health officer in multiple locations, including Mysore Zoo, Bandipur Tiger Reserve, Government Jersey Breeding Farm, and the Kasuvinahalli Veterinary Health Complex.
- 2009 to 2009 **Teaching Assistant, National Center for Biological Sciences, India**
Mathematics for Biologists
- 2008 to 2009 **Project Researcher, National Center for Biological Sciences, India**
Lion Health Project, Field work at Gir Lion National Park
- 2008 to 2008 **Wildlife Health Consultant, Wildlife Trust of India**
Elephant Health Surveyor, Surveyed captive Asiatic elephants for the Karnataka region
- 2005 to 2008 **Founder, Veterinary Startup, 360 Bangalore Veterinary Zone**
Small animal practice, small animal consulting, and online professional advice.
- 2005 to 2008 Junior Veterinarian, **Vaatsalya Veterinary Clinic, Bangalore**
Small animal and exotic animal practice

MENTORING AND TEACHING EXPERIENCE

Guest Lecturer at Sciences Po, Paris, France to Masters in Public Policy Students on emerging diseases and wildlife health

Created an Online Scientific Communication Course through One Health India and COVID Superheroes

Assisted in the development of a curriculum for a Masters Level Course in Wildlife Health in India

Assisted in the development of a course on ‘infectious diseases’ in NCBS, India

Experience mentoring and teaching one PhD. student, 1 research assistant, and 12 interns.

Developed the staff incremental training program at the Mysore Zoological Gardens

PUBLICATIONS

- **B Dharmaveer Shetty** (2025) From Narrow AI to Super Intelligence: Shaping the future of Animal Health, WOAHEcho, 2025
- Lesa Thompson, Claire Cayol, Lina Awada, Sophie Muset, **Dharmaveer Shetty**, Jingwen Wang, Paolo Tizzani (2024) Role of the World Organisation for Animal Health in global wildlife disease surveillance, *Frontiers in Veterinary Science*, Volume 11.
- **Dharmaveer Shetty**, Pramod K. Pandey & Kelly Mai (2024) Microbial diversity in dairy manure environment under liquid-solid separation systems, *Environmental Technology*, DOI: 10.1080/09593330.2024.2309481
- **Dharmaveer Shetty**, M. Eugenia Chimenti, Tomasz Gudnik, and W. V. Yacinthe Guigma (2024) Sustainable Wildlife Networks at WOAHEcho, *WOAH Panorama Bulletin*, 2024
- Sophie Muset, Keith Hamilton, Claire Cayol, Amelie Lisa Harnecke, and **Dharmaveer Shetty** (2024) Changing the narrative around wildlife health: bringing WOAHEcho into the 21st century, *WOAH Panorama Bulletin*, 2024
- Caroline V. Hemert, Sonia Fevre, Stephane Renaudin, **Dharmaveer Shetty**, Liana Mehring, and Ingrid C. Arias (2024) Wildlife health, biodiversity and climate change; *WOAH Panorama Bulletin*, 2024
- Chadia Wannous and **Dharmaveer Shetty** (2024) The role of wildlife health and biodiversity efforts at the World Organisation for Animal Health in advancing the One Health approach
- EFSA Panel on Animal Health and Welfare, Søren Saxmose Nielsen, Julio Alvarez, Dominique Bicout, Paolo Calistri, Elisabetta Canali, Julian Ashley Drewe, Bruno Garin-Bastuji, José Louis Gonzales Rojas, Christian Gortazar Smith, Mette Herskin, Virginie Michel, Miguel Angel Miranda Chueca, Barbara Padalino, Hans Spoolder, Karl Ståhl, Antonio Velarde, Arvo Viltrop, Christoph Winckler, Isabelle Arzul, **Shetty Dharmaveer**, Niels Jørgen Olesen, Morten Schiøtt, Hilde Sindre, David Stone, Niccolò Vendramin, Selam Alemu, Sotiria-Eleni Antoniou, Inma Aznar, Fulvio Barizzzone, Sofie Dhollander, Marzia Gnocchi, Anna Eleonora Karagianni, Linnea Lindgren Kero, Irene Pilar Munoz Guajardo, and Helen Roberts (2023). *Species which may act as vectors or reservoirs of diseases covered by the Animal Health Law: Listed pathogens of crustaceans*, *EFSA Journal*, 21(8), e08172. <https://doi.org/10.2903/j.efsa.2023.8172>
- EFSA Panel on Animal Health and Welfare (AHAW), Søren Saxmose Nielsen, Julio Alvarez, Dominique Bicout, Paolo Calistri, Elisabetta Canali, Julian Ashley Drewe, Bruno Garin-Bastuji, José Louis Gonzales Rojas, Christian Gortazar Smith, Mette Herskin, Virginie Michel, Miguel Angel Miranda Chueca, Barbara Padalino, Hans Spoolder, Karl Ståhl, Antonio Velarde, Arvo Viltrop, Christoph Winckler, Isabelle Arzul, **Shetty Dharmaveer**, Niels Jørgen Olesen, Morten Schiøtt, Hilde Sindre, David Stone, Niccolò Vendramin, Mariana Aires, Inmaculada Aznar Asensio, Sotiria-Eleni Antoniou, Fulvio Barizzzone, Sofie Dhollander, Marzia Gnocchi, Anna Eleonora Karagianni, Linnea Lindgren Kero, Irene Pilar Munoz Guajardo, Alessia Rusina, and Helen Roberts (2023). *Species which may act as vectors or reservoirs of diseases covered by the Animal Health Law: Listed pathogens of fish*. *EFSA Journal*, 21(8), e08174. <https://doi.org/10.2903/j.efsa.2023.8174>
- EFSA Panel on Animal Health and Welfare (AHAW), Søren Saxmose Nielsen, Julio Alvarez, Dominique Bicout, Paolo Calistri, Elisabetta Canali, Julian Ashley Drewe, Bruno Garin-Bastuji, José Louis Gonzales Rojas, Christian Gortazar Smith, Mette Herskin, Virginie Michel, Miguel Angel Miranda Chueca, Barbara Padalino, Helen Roberts, Hans Spoolder, Karl Ståhl, Antonio Velarde, Arvo Viltrop, Christoph Winckler, Isabelle Arzul, **Shetty Dharmaveer**, Niels Jørgen Olesen, Morten Schiøtt, Hilde Sindre, David Stone, Niccolò Vendramin, Sotiria-Eleni Antoniou, Sofie Dhollander, Anna Eleonora Karagianni, Linnea Lindgren Kero, Marzia Gnocchi, Inma Aznar, Fulvio Barizzzone, Irene Pilar Munoz Guajardo, and Helen Roberts (2023) *Species which may act as vectors or reservoirs of*

diseases covered by the Animal Health Law: Listed pathogens of molluscs, *EFSA Journal*, 21(8), e08173. <https://doi.org/10.2903/j.efsa.2023.8173>

- European Food Safety Authority (EFSA), Linnea Lindgren Kero, Selam Alemu, Julio Alvarez, Isabelle Arzul, Inma Aznar, Elea Bailly Caumette, Dominique Bicout, Julian Ashley Drewe, **Shetty Dharmaveer**, Bruno Garin Bastuji, Lisa Kohnle, Estelle Meroc ISA, Miguel Ángel Miranda Chueca, Niels Jørgen Olesen, Helen Roberts, Søren Saxmose Nielsen, Morten Schiøtt, Helen Sindre, David Stone, Alessia Rusina, Niccolo Vendramin, and Sofie Dhollander (2023) *Extensive literature review on vectors and reservoirs of AHL-listed pathogens of crustaceans*. EFSA Supporting Publications, 20(8), 8122E. <https://doi.org/10.2903/sp.efsa.2023.EN-8122>
- European Food Safety Authority (EFSA), Linnea Lindgren Kero, Selam Alemu, Julio Alvarez, Isabelle Arzul, Inma Aznar, Elea Bailly Caumette, Dominique Bicout, Julian Ashley Drewe, Shetty Dharmaveer, Bruno Garin Bastuji, Lisa Kohnle, Estelle Meroc ISA, Miguel Ángel Miranda Chueca, Niels Jørgen Olesen, Helen Roberts, Søren Saxmose Nielsen, Morten Schiøtt, Helen Sindre, David Stone, Alessia Rusina, Niccolo Vendramin, and Sofie Dhollander (2023) *Extensive literature review on vectors and reservoirs of AHL-listed pathogens of fish*. EFSA Supporting Publications, 20(8), 8123E. <https://doi.org/10.2903/sp.efsa.2023>
- William B. Karesh, Emmanuel Couacy Hyman, Helen Roberts, Jeffrey Doty, Pip Beard, Tiggy Grillo, Casey Barton Behravesh, **Dharmaveer Shetty**, and Lisa Scheuermann (2023) *Risk guidance on reducing spillback of mpox (monkeypox) from humans to wildlife, pet animals, and other animals*; September 2022; World Organisation for Animal Health
- **Dharmaveer Shetty**, Noha Amaly, Brett Weimer, and Pramod Pandey (2023) *Predicting Escherichia coli using machine learning and comparing gravitational (Weeping Wall) and mechanical (Solid-Liquid-Separator) solid separation in Dairy Effluent Management Systems*, 274, *Frontiers in Artificial Intelligence*
- Pramod Pandey, **Dharmaveer Shetty**, Patrick Wickam, P. Aminabadi, Zhao Chen, J.W. Stackhouse, and M.T. Jay-Russell (2022) *Assessment of On-farm Dairy Manure Pile Characteristics Across California*, 1-36, *Environmental Technology*
- Yi Wang, **B. Dharmaveer Shetty**, Sundaram Kuppuppu, and Pramod Pandey (2022) *Antibiotic waste residues and resistance genes: a review*; 1:688-710, *Open Agriculture*
- Kallesh D. Jayappa, Vicki L. Gordon, Christopher Morris, Briana Wilson, **Dharmaveer Shetty**, Konrad J. Cios, Puja C. Arora, Krista M. Isaac, Timothy P. Bender, Michael E. Williams, Craig A. Portell, and Michael J. Weber (2021) *An anti-apoptotic phenotype activated by microenvironmental interactions induces De Novo multi-drug resistance in Chronic Lymphocytic Leukemia*, 5(17), 3497-3410, *Blood Advances*.
- **Dharmaveer Shetty**, Arun Zacharian, Tom Farver, Brett Smith, Tracey Goldstein, and Jonna A.K. Mazet (2020) *Carnivore protoparvovirus 1 (parvovirus) at the domestic-wild carnivore interface in India*, 50(4), 1016-1020, *Journal of Zoo and Wildlife Medicine*.
- **Dharmaveer Shetty** *Molecular epidemiology of multi-host pathogens in tigers and other wildlife of India: Canine distemper virus and Carnivore protoparvovirus 1* (2019) PhD Dissertation, University of California Davis
- **Dharmaveer Shetty** *Carnivore protoparvovirus 1 at the domestic-wild carnivore interface in India*, (2015) MPVM Thesis, University of California Davis
- **Dharmaveer Shetty**, *Diseases in free ranging Asiatic Lions in Gir National Park and Wildlife Sanctuary* (2008) MSc Thesis, National Center for Biological Sciences, Bangalore

Working papers

- **Dharmaveer Shetty**, Y.V. Jhala, Arun Zachariah, Andrew Allison, Prashanthi Raman, Uma Ramakrishnan, and Jonna A.K. Mazet *Phylogeography of Carnivore protoparavirus 1: geographical origin, global pathways, and migration into India*, in journal review
- **Dharmaveer Shetty**, Arun Zachariah, Y.V. Jhala, Uma Ramakrishnan, Abi Tamin, Tracey Goldstein, Kirsten V.K. Gilardi, Christine Kreuder Johnson, Tracie Simon, Prashanthi Raman, and Jonna A.K. Mazet *Canine distemper virus as a threat to tiger (*Panthera tigris tigris*) populations in India*, in preparation
- **Dharmaveer Shetty**, Arun Zachariah, Y.V. Jhala, Uma Ramakrishnan, Andrew Allison, Prashanthi Raman, and Jonna A.K. Mazet *Multihost network of Carnivore protoparavirus 1 infecting tigers of India*, in preparation
- **Dharmaveer Shetty**, Uma Ramakrishnan, Chinchkar, and Jonna A.K. Mazet *Parvovirus in free-living Asiatic lions (*Panthera leo persica*) of Gir National Park and Wildlife Sanctuary*, in preparation
- **Dharmaveer Shetty**, Uma Ramakrishnan, Jonna A.K., and Milind Watve *Helminth communities in Asiatic lions of Gir*, in preparation.
- **Dharmaveer Shetty**, Chadia Wannous, Barbara Alessandrini, Madison Wimmers, Sonia Fevre, Mario Ignacio Alguerno, Claire Cayol, Jingwen Wang, Rahul Srivastava, Mariana Delgado, Daniel Donachie, Budimir Plavsic, Marina Sokolova, Gounalan Pavade, Itlala Gizo, Hana Abdelsattar, Jennifer Lasley *Building Resilience: The World Organisation for Animal Health's Integrated Approach to One Health and Wildlife Health through Prevention, Preparedness, and Response Strategies*, in preparation.

Acknowledged contributions

- **Acknowledged in** Johnson et. al 2015 *Spillover and pandemic properties of zoonotic viruses with high host plasticity*, 5, 14830, Scientific Reports.
- **Acknowledged in** Zachariah et al 2012 *A detailed account of the reproductive strategy and developmental stages of *Nasikabatrachus sahyadrensis*, the only extant member of an archaic frog lineage*, 3510: 53-64, Zootaxa
- **Acknowledged in** Harris 2015 *Epidemiology of Respiratory Illness in endangered Mountain Gorillas at a One Health interface in Africa*, Dissertation, UC Davis
- **Acknowledged in** Chaudhary 2016 *Threats of Disease Spillover from domestic dogs to wild carnivores in the Kanha Tiger Reserve, India* Thesis, Clemson University
- **Author contributions** to the *PREDICT 1 Final Report*, University of California Davis
- **Dharmaveer Shetty** and Jonna A.K. Mazet (2015) *Final Report on the Carnivore Conservation Health, India, Project*, University of California Davis to the Wildlife Conservation Society, USA
- **Dharmaveer Shetty** (2010) main contributor for the veterinary section of the *Mysore Zoological Gardens 5-year Master Plan*, Mysore Zoological Gardens, India.

ADVISORY ROLES

- Member, Advisory Board, Coordinated Investigation Response and Operational Tool (CIR OT), WHO-FAO-WOAH-UNEP, 2024 onwards

CONFERENCES AND WORKSHOP PRESENTATIONS

- **Dharmaveer Shetty**, Noha Amaly, Bart Weimer, and Pramod Pandey (2021) Poster: *E-C-MAN: machine learning model to predict coliform risk in alternate dairy effluent management systems with mechanical or gravitational solid separation*, AIChE Renewable Natural Gas Summit, 2021, USA (virtual)
- **Dharmaveer Shetty**, Noha Amaly, and Pramod Pandey (2020) Poster: *Comparative Study to understand the effect of two flush-based, solid-separation manure management systems, Weeping Walls and Solid-Liquid-Separators, in California*, AIChE Renewable Natural Gas Summit, 2020, USA (virtual)
- **Dharmaveer Shetty** (2020) Poster: *Multi-host network of Carnivore protoparvovirus 1 infecting tigers in India*, Bay Area Ecology and Evolution of Infectious Disease (BAEEID) Meeting, University of California Berkeley, CA, USA
- **Dharmaveer Shetty** *Wildlife conservation and diseases: is the link important?* Golden Jubilee workshop on the Conservation of Asiatic lions in Gujarat and initiatives for future management, Gir National Park and Wildlife Sanctuary, Gir, Gujarat, India, 3rd & 4th October 2016
- **Dharmaveer Shetty** *Simulation: CDV outbreak response in Asiatic lions: simulation workshop with invitations restricted to the forest department officials of Gujarat*, Golden Jubilee workshop on the Conservation of Asiatic lions in Gujarat and initiatives for future management, Gir National Park and Wildlife Sanctuary, Gir, Gujarat, India, 3rd & 4th October 2016
- David Wolking, & **Dharmaveer Shetty** (2014) Tech Demo: *PathFinder: A Toolkit for Zoonotic Disease Identification and Hazard Assessment*, 2nd International Conference on Digital Disease Detection, San Francisco, CA, USA
- **Dharmaveer Shetty** (2010) Workshop: Surveillance and prevention of Emerging Infectious Diseases from wildlife, Workshop, USAID PREDICT Regional Workshop
- **Dharmaveer Shetty** (2009) Workshop on Conflict Animal Management and Rehabilitation, IFAW
- **Dharmaveer Shetty** (2009) International Conference: Conserving nature in a globalizing India, BNHS
- **Dharmaveer Shetty** & Uma Ramakrishnan, *Parvovirus detection using non-invasive genetic methods in wild carnivores*. Proceedings of the 2008 National Seminar on Advances in Management and Diseases of Wild Animals, Bangalore, 20 & 21st June 2008

INVITED PRESENTATIONS, CHAIR, PANELIST, OR EXPERT

- **Dharmaveer Shetty** (2023) *Factors involved in the risk management of spillover events in wildlife: real life case examples*, Presentation given during the Workshop on Wildlife Spillover Risk Analysis, Japan
- **Dharmaveer Shetty** (2023) Session Chair, Panel Discussion: *Ensuring Long-term sustainability of the Americas Focal Point Network*, Virtual Network Meeting, Argentina
- **Dharmaveer Shetty** (2023) *Factors involved in the risk management of spillover events in wildlife: real life case examples*, Presentation given during the Workshop on Wildlife Spillover Risk Analysis, India
- **Dharmaveer Shetty** (2023) *Building Sustainable Networks in the Americas for Wildlife Disease Management*; Session Chair, for the 6th Cycle Training Workshop of the Focal Points for Wildlife in the Americas, World Organisation for Animal Health, Mexico City, Mexico, 19th April 2023
- **Dharmaveer Shetty** (2023) *Wildlife Health Activities at the World Organisation for Animal Health*; invited presentation; for the 6th Cycle Training Workshop Pre-webinar of the Focal Points for Wildlife in the Americas, World Organisation for Animal Health, Mexico City, Mexico, 17th April 2023

- **Dharmaveer Shetty** (2023) *Interactive Icebreaker Strategy Game to enhance the value of the wildlife focal point*; Activity Chair, for the 6th Cycle Training Workshop of the Focal Points for Wildlife in the Americas, World Organisation for Animal Health, Bangkok, Mexico City, Mexico, 17th April 2023
- **Dharmaveer Shetty** (2023) *Emerging Infectious Disease Hotspots: data sources and activities at the World Organisation for Animal Health*; World Health Organisation - Food and Agricultural Organisation - United Nations Environmental Programme - World Organisation for Animal Health Hotspots Mapping Meeting; 7th March 2023 (virtual)
- **Dharmaveer Shetty** (2023) *Guidelines for Disease Risk Management in wildlife trade supply chains and markets*; invited presentation; for the 6th Cycle Training Workshop Pre-webinar of the Focal Points for Wildlife in the Americas, World Organisation for Animal Health, Mexico City, Mexico, 12th April 2023 (virtual)
- **Dharmaveer Shetty** (2023) *Wildlife Health Programme at the World Organisation for Animal Health*; invited presentation; for the 6th Cycle Training Workshop Pre-webinar of the Focal Points for Wildlife in the Americas, World Organisation for Animal Health, Mexico City, Mexico, 12th April 2023 (virtual)
- Tricia Fry and **Dharmaveer Shetty** (2023) *Learning from the past: historical lessons on building wildlife health networks in Asia and around the world*; invited presentation; for the 6th Cycle Training Workshop of the Focal Points for Wildlife in Asia and the Pacific, World Organisation for Animal Health, Bangkok, Thailand, 17th February 2023
- **Dharmaveer Shetty** (2023) *Situating the Wildlife Focal Point as a steward for wildlife health networks in their country/territory*; invited presentation; for the 6th Cycle Training Workshop of the Focal Points for Wildlife in Asia and the Pacific, World Organisation for Animal Health, Bangkok, Thailand, 17th February 2023
- **Dharmaveer Shetty** (2023) *The EBO-SURSY surveillance game*; Activity Chair, for the 6th Cycle Training Workshop of the Focal Points for Wildlife in Asia and the Pacific, World Organisation for Animal Health, Bangkok, Thailand, 16th February 2023
- **Dharmaveer Shetty** (2023) *Wildlife Disease Management: from theory to action*; Session Chair, for the 6th Cycle Training Workshop of the Focal Points for Wildlife in Asia and the Pacific, World Organisation for Animal Health, Bangkok, Thailand, 16th February 2023
- **Dharmaveer Shetty** (2023) *Updates on WOA/WHO initiatives on wildlife*; Wildlife Disease Education and Prediction at the human-animal interface, World Organisation for Animal Health (virtual)
- **Dharmaveer Shetty** (2022-23) *World Organisation for Animal Health Hearing Expert at the European Food Safety Authority's Expert Working Group on Aquatic Animal Reservoirs and Vectors*; European Food Safety Authority (remote)
- **Dharmaveer Shetty** (2022) *World Organisation for Animal Health Observer at the World Health Organisation's Scientific Advisory Group for the Origins of novel pathogens (SAGO) - 9th Plenary Meeting*; World Health Organisation, Bangkok, Thailand; 18-19 October 2022
- Tiggly Grillo, Francois Diaz, Lesa Thompson, and **Dharmaveer Shetty** (2022) *World Organisation for Animal Health and you*; session co-organizer at the World Disease Association International Conference July 2022
- **Dharmaveer Shetty** (2022) *Discover Your Niche Conference*; invited speaker; organized by the Wildlife Society at UC Davis
- **Dharmaveer Shetty** (2021) *How to improve our water, waste, sanitation, and hygiene systems across human and environmental ecosystems to detect, respond to, and prevent outbreaks of zoonoses and food and water safety issues*; Invited One Health Panelist, Echo Network
- **Dharmaveer Shetty** (2021) *Strategies for Global One Health*; Invited One Health Panelist; Shaping Sustainability: Investing in our future: International Knowledge Millennium Conference
- **Dharmaveer Shetty** (2021) *My professional journey: becoming an epidemiologist*; Soroptimist International
- **Dharmaveer Shetty** (2021) *One Health Hackathon*: invited to be a mentor

- **Dharmaveer Shetty** (2019) *An interactive discussion: becoming a vet, 27 heartbeats*, University of California Davis
- **Dharmaveer Shetty** (2018) *The evolving journey of a wildlife vet*, Zoological medicine students, University of California Davis
- **Dharmaveer Shetty** (2017) *Can vets make a difference in saving our planet? One Health and Conservation Health*, Bangalore Veterinary College, Bengaluru, India
- **Dharmaveer Shetty** (2016) *Operant Conditioning*, Sri Chamarajendra Zoological Gardens, Mysore, India
- **Dharmaveer Shetty** (2016) *Disease epidemiology and One Health*, Center for Ecological Sciences, Indian Institute of Sciences (IISc), Bengaluru, India
- **Dharmaveer Shetty** (2015) Invited expert on the panel for the *Vaccines for conservation: exploring the feasibility of immunizing wild tigers against distemper*, Wildlife Conservation Society, New York.

AWARDS, HONORS, AND GRANTS

● Inducted into Sigma-Xi (Scientific Honor Society)	Honor	2022-23
● Helped formulate multiple grants at WOA	Confidential	2022-23
● WCS Health Program Project Grant	\$121,320	2015
● WCS Health Program Follow-up Grant	\$76,406	2017
● WCS Health Program Follow-up Grant	\$67,224	2018
● NRST Fellowship	\$14,000	2017
● NRST Fellowship	\$14,000	2016
● GGE Fellowship	\$6,000	2016
● MPVM Professional Fellowship	\$1500	2014
● National Veterinary Entrepreneurship Academy Scholarship	\$1500	2021
● Outstanding student/graduate, MPVM, Online	Award	2014
● AHEAD Beyond Boundaries (International) Award	Award	2009
● MLSS Best Outgoing Veterinary Student Award	Award	2005

PROFESSIONAL MEMBERSHIPS & LICENSES

Reviewer	PLOS One PLOS Neglected Tropical Diseases Journal of Biosciences Veterinary Research Communications
Membership	Certified Epicore Member Wildlife Disease Association American Association of Zoo Veterinarians Association for Veterinary Informatics Ecological Society of America American Association for the advancement of Science
Licenses:	Karnataka Veterinary Council License Registration Number: 3755

NEWS COVERAGE (SELECT)

Osofsky, S [Announcement of the AHEAD Beyond Boundaries winners]; July 2009

<http://www.wcs-ahead.org/newsarchive/2009july.html>;

University of California Davis MPVM News [Outstanding students/graduates: Dharmaveer Shetty]; 2014

https://cvm.njau.edu.cn/_local/C/CF/2C/C3EC2A243CBA4FEA3480C95B416_5603E485_3BE5B.pdf?e=.pdf

Wood, T [Call of the Wild: Dharmaveer Shetty] California Veterinarian Magazine, Nov - Dec Edition 2014

University of California Davis SVM News [Call of the Wild: MPVM Profile] Nov 2014

WCS [One World: One Health: A WCS Health Programs Report] 2016

LANGUAGES

English (proficient), Kannada (proficient), Hindi (basic), French (basic)

DR CRAIG STEPHEN

(Submitted by the Government of the United Kingdom of Great Britain and Northern Ireland)

This section contains:

- Statement justifying the candidature
- Candidate profile (see UNEP/CMS/COP15/Doc.16.1.Add.1)
- Declaration by the candidate expressing their readiness to accept the appointment if selected
- Full CV (optional)

Received from the UK:

The United Kingdom of Great Britain and Northern Ireland (UK) is pleased to **nominate Dr. Craig Stephen for the position of CMS COP-appointed councillor for Wildlife Health.**

Dr. Stephen is a globally recognised leader in wildlife health and One Health. His pioneering work adapting determinants of health and population health concepts to wildlife has transformed government and NGO approaches, influencing international guidelines on wildlife health, trade risk management, and conservation. With extensive experience advising multilateral organisations (including WOA, World Bank, WTO, PAHO) and contributing to CMS initiatives, he brings expertise in emerging diseases, climate change adaptation, and ecosystem health. His leadership includes directing national wildlife health programs, founding One Health NGOs, and chairing high-level committees. This unique combination of scientific excellence, policy experience, and global collaboration positions him to provide strategic guidance to CMS Parties on wildlife health challenges critical to migratory species conservation.

Please find attached Dr. Stephen's candidate profile, CV and email confirmation of his readiness to accept the position, if appointed.

From: Craig Stephen <craigstephen.pes@gmail.com>

Sent on: Tuesday, December 9, 2025 1:54:58 PM

To: Rhiannon Hudson-Jones <Rhiannon.Hudson-Jones@defra.gov.uk>

Subject: Re: CMS Health Working Group: call for nominations for the position of the COP-appointed councillor for wildlife health

Dear Rhiannon

It would be my pleasure and honour to accept the nomination if selected

On Tue, Dec 9, 2025, 1:51 a.m. Rhiannon Hudson-Jones <Rhiannon.Hudson-Jones@defra.gov.uk> wrote:

Dear Craig,

Thanks for all your engagement on this. Before I submit your nomination (relevant documents as attached) can you please confirm your readiness to accept the appointment if selected?

Best wishes,

Rhiannon

Rhiannon Hudson-Jones | Team Leader- CMS and Ramsar | International Biodiversity and Wildlife (IBW)

International Biodiversity and Climate Directorate (IBC) | Department for Environment, Food and Rural Affairs

Email: rhiannon.hudson-jones@defra.gov.uk | Telephone: +44 20 8415 2956 | 2nd Floor, Horizon House, 1 Deanery Road, Bristol, BS1 5AH

Working pattern: I do not work wednesdays. I work flexibly - please do not feel that you have to respond outside your own normal working hours.

CRAIG STEPHEN DVM PHD FCAHS

EDUCATION

University of Saskatchewan Ph.D. (Epidemiology) Department of Veterinary Microbiology Dissertation: A Field Investigation of Marine Anemia	1995
University of Saskatchewan DVM: Western College of Veterinary Medicine With Distinction	1987

CURRENT POSITIONS

POSITION	DATES
President Pacific Epidemiology Services	Appointed 2002
Executive Director McEachran Institute	Appointed 2021
University of British Columbia Clinical Professor School of Population and Public Health	Appointed 2008
University of Guelph Special Graduate Faculty Ontario Veterinary College (Department of Population Medicine)	Appointed 2010

PAST POSITIONS

ACADEMIC POSITIONS

POSITION	DATES
University of Saskatchewan Professor Faculty of Veterinary Medicine (Department of Veterinary Microbiology)	2014- July 2020
University of Calgary Professor Faculty of Veterinary Medicine (Department of Ecosystem and Public Health) Faculty of Medicine (Department of Community Health Sciences)	2010-2014
University of Calgary Associate Professor	2007-10

Faculty of Veterinary Medicine (Department of Ecosystem and Public Health)	
Faculty of Medicine (Department of Community Health Sciences)	
Vancouver Island University Canada Research Chair in Integrating Human and Animal Health (Tier 2)	2005-06
Faculty of Science and Technology (Department of Biological Sciences)	
University of British Columbia Clinical Associate Professor	2000-08
Faculty of Medicine (Department of Health Care and Epidemiology)	
British Columbia Centre for Disease Control (UBCCDC) Associate member	2001-2010
University of British Columbia Clinical Assistant Professor	1998-2000
Faculty of Medicine (Department of Health Care and Epidemiology)	
Ross University School of Veterinary Medicine Adjunct professor	2020- 2024
University of Saskatchewan Adjunct Professor	1997-2015
Western College of Veterinary Medicine (Department of Large Animal Clinical Sciences)	
Simon Fraser University Adjunct Professor	1997-2003
Faculty of Science (Department of Biological Science)	
University of British Columbia Assistant Professor	1996-98
Faculty of Medicine (Department of Health Care and Epidemiology)	
University of British Columbia Research Associate	1994-96
Faculty of Medicine (Department of Health Care and Epidemiology)	

PAST LEADERSHIP POSITIONS

POSITION	DATES
Executive Director Canadian Wildlife Health Cooperative	2014-2020
Co-Director World Organization for Animal Health Collaborating Centre on Research, Diagnosis and Surveillance of Wildlife Pathogens	2014-2020
President and Director Centre for Coastal Health	1996-2014
Vice-President	2012-2013

Veterinarians Without Borders – Vétérinaires sans Frontières Canada	
Chair of the Board	2006-10
British Columbia Environmental and Occupational Health Research Network	
Founding Scientific Director	2005-06
Chair	
Federal-Provincial Fish Health Management Committee	
Scientific Director	2003-10
Animal Determinants of Emerging Disease Research Unit	
Regional Director	2003-08
British Columbia Node – Canadian Cooperative Wildlife Health Centre	

CLINICAL POSITIONS

CURRENT POSITIONS

Ucluelet Aquarium
Risk management consultant

PAST POSITIONS

Nicholas Sonntag Marine Education Centre Risk management consultant	2020-2026
Vancouver Aquarium Consulting veterinarian	1996-2007
British Columbia Ministry of Agriculture and Lands Consulting veterinarian (fish health)	2002-03
University of Victoria Consulting veterinarian	2004-06
Alberni Veterinary Clinic Veterinarian	1987-91

AWARDS AND DISTINCTIONS

DISTINCTIONS

1. Fellow. Canadian Academy of Health Sciences 2023
2. Bates Memorial Speaker. Cascadia Conference. 2020.
3. Cutting Edge Speaker. American Association of Wildlife Veterinarians. Wildlife Disease Association Annual meeting 2007.
4. RG Thomson Lecturer. Atlantic Veterinary College. University of Prince Edward Island. 2004
5. Robert and Virginia Rausch Visiting Professor. Western College of Veterinary Medicine. University of Saskatchewan. 2002

AWARDS

1. CHOICE Award 2022 for Outstanding Academic Titles for “Animals, Health, and Society: Health Promotion, Harm Reduction and Equity in a One Health World C. Stephen ed. From the American Library Association.
2. National Service Award from the Canadian Wildlife Health Directors Committee 2020
3. Best Brains Award. Knowledge Mobilization Programme. Canadian Institutes for Health Research 2011.

AWARDS FOR SCHOLARSHIP

1. Interprovincial Post-graduate Research Fellowship. Western College of Veterinary Medicine. University of Saskatchewan. 1991-1994.
2. Ayerst 3rd Proficiency Award for academic excellence throughout the D.V.M. program. University of Saskatchewan. 1987.
3. British Columbia Veterinary Medical Association Award for academic excellence with qualities for leadership. 1986.
4. University of Saskatchewan Undergraduate award for academic excellence. 1984 and 1985.

LICENSES

British Columbia Veterinary Medical Association/BC College of Veterinarians
Practicing license

1987-2022

RESEARCH FUNDING

GRANTS

1. Addressing knowledge gaps inhibiting conservation of Rocky Mountain Ridged Mussels and Speckled Dace. Canada Nature Fund. \$147,000 (Co-PI) 2024-25.
2. Climate change leadership training in the Caribbean. EU Commission \$900,000 (Co-PI). 2020-2025
3. Harm reduction as a pathway to wildlife health action in a complex and changing world. Vancouver Foundation. \$13,900 (PI) 2019
4. Identifying and mobilizing best practice in One Health leadership in the Caribbean. Global Community Service Fund. International Research and Partnerships Office. University of Saskatchewan. \$18,000 (co-PI) 2019
5. Urban rat surveillance systems development. City of Vancouver. \$72,342. (co-investigator)
6. Critical assessment of harm reduction as a One Health approach to complex problems at the human-animal interface: A case study of the St. Kitts vervet. Ross University Intramural Grant program. \$13,725 (USD). Co-PI 2018-19
7. Building Capacity for Young Conservation Leaders to Protect Biodiversity of The Narrows Marine Managed Area of St. Kitts and Nevis. US Fish and Wildlife Service. \$54,122 (USD). (Co-PI). 2018-19
8. The impact of lethal rat (*Rattus spp.*) control techniques on the ecology of climate-driven vector-borne zoonotic pathogens and associated human health risks in urban centres. Public Health Agency of Canada. \$300,000. (Co-investigator) 2018-2020
9. Plan of action for environmental sustainability in veterinary education. Intramural funding from Center for Conservation Medicine and ecosystem health, Ross University Intramural Grant program., \$9,500 (Co-PI). 2018
10. The ECHO network (Environment, Community Health Observatory). Strengthening intersectoral collaboration to understand and respond to natural resource development. CIHR Team Grant \$2,000,000. (co PI). 2017-2122
11. Critical assessment of harm reduction as a One Health approach to complex problems at the human-animal interface: A case study of the St. Kitts vervet. Ross University Intramural Grant program. \$14,200 (USD). Co-PI 2018-19
12. Development of a wildlife health intelligence platform. AgriMarketing: Assurance Systems. Agriculture and Agrifood Canada. \$375,000 (PI). 2016-17
13. Linking Wildlife Health and Cumulative Impact Assessment for Improved Wildlife and Environmental Management. 2015. WCVM Wildlife Health Fund. \$5000 (PI)
14. Role of animals as sentinels of public health risk associated with the oil and gas industry. National Collaborating Centre for Environmental Health. \$15,000 (PI) 2014.
15. Forecasting a strategy for emerging and re-emerging disease research in Asia at the human-animal-environment interface. IDRC. \$197,800 (PI) 2013-14

16. Building Research Excellence in Wildlife and Human Health in Sri Lanka. IDRC. \$865,000 (Co-investigator) 2011-13
17. Antimicrobial resistance surveillance and antimicrobial use monitoring. National Collaborating Centre for Infectious Diseases. \$204,310 (Collaborator) 2012-13
18. Dynamic frontline knowledge mobilization for community-based animal health workers in Laos PDR. IDRC \$49,700 (Co-investigator) 2012-13
19. Identification and Assessment of Socio-Environmental Risk Settings for Japanese Encephalitis (JE) Transmission and Re-emergence in Nepal. IDRC \$ 573,000 (Co-PI) 2011-2014
20. Volunteered Geographic Information and Socio-ecologic Research. SSHRC \$74,820 (Co-investigator) 2011-13
21. Development and assessment of computer technology for clinical epidemiological research in DVLC practices. University of Calgary. \$10,000 (Co-PI) 2010-11
22. Social learning in rural aquaculture to break the cycle of poverty, food insecurity and unsustainable practices in Sri Lanka. IDRC. \$924,000 (Co-PI). 2010-12
23. Proposal development grant. IDRC IRIACC Program (Climate Change). \$30,000. Co-PI 2010
24. Professional social networking in veterinary public health in Southeast Asia. IDRC/CIDA/CIHR. \$50,000 (PI) 2009-2011
25. Ecology- episotologic monitoring of murine rodents as basic carriers parasitic and infection diseases in central Tajikistan. International Science and Technology Center. \$299,624 (science lead) 2009-2012
26. Supporting comprehensive infection control practices in feedlot cattle to reduce or prevent antimicrobial resistance. National Collaborating Centre for Infectious Diseases. \$26,350 (Co-PI) 2009
27. Team Grant in the Functional Infectomics of H5/H7 Influenza A virus. CIHR. \$1,500,000. (Co-investigator) 2009-13
28. Early warning of emerging diseases in wildlife by risk factor surveillance. NSERC \$76,475 (PI) 2007-10
29. Animal health surveillance for early detection of emerging disease risks. NSERC. \$233, 510 (PI) 2006-10
30. Veterinary public health as part of the global response to emerging diseases. Building a sustainable model in Sri Lanka with extension to South and Southeast Asia. IDRC Global Health Research Initiative (CIDA/CIHR/Health Canada). \$1,382,380 (Co-PI) 2006-2010
31. Avian Influenza Emergency: Government Prevention Mechanism and Public Policy in China. CIDA \$200,000 (Co-investigator) 2009-11
32. BC Environmental and Occupational Health Research Network. Michael Smith Foundation for Health Research. \$2,800,000 (Co-PI). 2005-10
33. Animal Determinants of Emerging Disease Research Unit. Michael Smith Foundation for Health Research. \$873,000. PI. 2003-10
34. Knowledge needs, opportunities and mechanisms to operationalize the One Health concept. CIHR. \$19,800 (PI) 2008-10
35. Strategy for development of an ecohealth unit in the Vancouver Island Health Authority. BC Environmental & Occupational Health Research Network. \$10,000 (PI) 2008-09
36. Managing the interface of wildlife and agriculture health in the Northwest Territories – Strengths, needs and opportunities. Agriculture Policy Framework, Government of the NWT. \$21,500. (PI) 2007-08
37. Epidemiological investigations in BC aquaculture. BC Ministry Agriculture and Lands. \$20,000. PI. 2007-2008
38. Systematic review of methods for evaluating disease early warning surveillance systems. National Collaborating Centre for Environmental Health. \$43,000. Co-PI 2007-08
39. Water Safety in Rural Communities. BC Rural and Remote Health Network. \$10,000 (Co-investigator). 2007-08
40. Zoonotic Diseases in Rural British Columbia. BC Rural and Remote Health Network. \$10,000 (Co-investigator). 2007-08
41. Developing veterinary public health capacity in SE Asia: Grant development. IDRC/CIDA/CIHR. \$10000 (Co-PI) 2006
42. The role of wildlife in First Nations community health in BC. BC Environmental and Occupational Health Network. \$10000. (Co-PI). 2006-07
43. Infrastructure support for Canada Research Chair. Canadian Foundation for Innovation. \$109,089 (PI) 2005-09
44. Infrastructure support for Canada Research Chair. BC Knowledge Development Fund. \$109,089 (PI) 2005-09
45. Canada Research Chair in Integrating Human and Animal Health (Tier II). Canada Research Chairs Program (NSERC). \$500,000 (PI) 2005-10
46. Surveillance of horses on Vancouver Island for *Cryptococcus neoformans gattii*. Western College of Veterinary Medicine Equine Health Fund. \$8550 (Co-investigator) 2004-05
47. Surveillance of dogs and cats on Vancouver Island for *Cryptococcus neoformans gattii*. Western College of Veterinary Medicine Companion animal health fund. \$7200 (Co-investigator) 2004-05

48. Ecology of Infectious Diseases in Great Lakes Fishes: Effects of Lake Management Strategies. Great Lakes Fishery Commission. \$45,000. (Co-PI) 2001-03
49. Risks to Wildlife from Camelids in British Columbia. Habitat Conservation Fund. \$25,070 (PI) 2001-02
50. Problem Analysis: Risks to Wildlife from Camelids in British Columbia. Muskwa-Kechika Management Area Funding. \$22,500 (PI) 2001-02
51. Developing a Model Community-Based Ecosystem Health Program. Health Canada/Environment Canada Community Animation Program. \$11,500 (PI) 2000-01
52. Applied Environmental Research Laboratory. Canadian Foundation for Innovation. \$250,000 (Collaborator) 2000-04
53. A Critical Review of Public Health Implications of Antimicrobial use in Animals in British Columbia. British Columbia Medical Services Foundation. \$48,500 (PI). 1999
54. Developing a communications system for the Animal Emerging Risk Network. Health Canada Health Infostructure Program. \$99,300 (PI) 1998-99
55. Assessing the risk of disease in endangered Vancouver Island Marmots. Canada Trust Friends of the Environment. \$1500 (Co-PI) 1998
56. Assessing the risk of disease in endangered Vancouver Island Marmots. Environment Canada Endangered Species Recovery Fund. \$7250 (Co-PI). 1998
57. Study of the risk of rabies in coyotes and raccoons in order to develop evidence-based policy. BC Ministry of Health. \$21,500 (PI) . 1997-98
58. Epidemiologic investigation of Infectious Hematopoietic Necrosis in salmon in British Columbia. National Research Council. \$15,000 (Co-PI) 1996
59. Risk of waterborne pathogen contamination from wildlife and feral animals in the Greater Victoria watershed. Western College of Veterinary Medicine Wildlife Health Fund. \$6,000 (Co-PI). 1996
60. Medical ecology of pathogenic protozoa in the Greater Victoria watershed: roles for wildlife and peri-domestic animals. Capital Regional District (Victoria) \$41,350 (Co-PI). 1996-97
61. Medical ecology of pathogenic protozoa in the Greater Victoria watershed. British Columbia Centre for Disease Control. \$5,000 (PI) 1995-96
62. Establishment of the Centre for Coastal Health. Max Bell Foundation. \$185,000 (PI) 1995-98
63. Using Mortality Diagnoses to Study Marine Anemia in B.C. Salmon. British Columbia Science Council. \$15,600 (Co-PI). 1993-94
64. The evaluation of plasmacytoid leukemia as a new model for cancer research. Western College of Veterinary Medicine MRC Fund. \$2,000 (Co-PI). 1993
65. Plasmacytoid leukemia of Farmed Salmon. Moore-Clark Canada. \$1000 (PI) 1992
66. An epidemiological investigation of plasmacytoid leukemia. Western College of Veterinary Medicine Wildlife Health Fund. \$8700 (Co-PI) 1991-92

CONTRACTS

1. Building transdisciplinary capacity to enhance pandemic preparedness in Trinidad and Tobago. 2025. Pandemic Fund. \$30,000.
2. Exploring how One Health approaches can inform assessing cumulative effects for wildlife in ECCC. 2024.Govt of Canada. \$15000
3. Review of gaps and opportunities for One Health within Environment and Climate Change Canada. 2024.Govt of Canada \$10,000
4. Advice and guidance on wildlife health program development. University of Pennsylvania. 2024. \$3000
5. Technical advisor and facilitator for the One Health in Action series – CARIBGREEN project. CIRAD. 2024 \$18,500
6. Fostering disruptive and innovative One Health research. Environment and Climate Change Canada (PI). 2023. \$20000
7. Guiding One Health integration into Agroecosystem health in the Caribbean CaribGreen Project. (PI) 2022. \$20000
8. New perspectives of One Health for conservation science and management. Environment and Climate Change Canada. (PI) 2022. \$10000
9. One Health in Environmental Health Practice. National Collaborating Centre for Environmental Health. (PI) 2022. \$42000

10. Perspectives on opportunities for OIE standards and guidelines to better address wildlife health. World Organization for Animal Health. (PI) 2022 \$32000
11. One Health strategic planning. CFIA (PI). 2022. \$10000.
12. Climate change and health fellowship in the Caribbean – teaching lead. UWI/PAHO. (PI) 2021-2025. \$200,000
13. One Health training for research and practice in Guadeloupe Part 2. CIRAD (PI) 2021 \$8900
14. Supporting the One-Health Investment report. International Livestock Research Institute. (Co-PI) 2021 \$39,910
15. Strategic guidance on emerging disease risk management in wildlife health. Environmental and Climate Change Canada. (PI) 2021 \$9,000
16. Rapid Review of Evidence for managing emerging diseases risks in the wildlife trade. OIE. (PI) 2021 \$30,000
17. Development of a vulnerability assessment tool for wildlife health. Environmental and Climate Change Canada. (PI) 2020. \$28,000
18. One Health training for research and practice in Guadeloupe. CIRAD (PI) 2019-20 \$14000.
19. Advisor Fish Health Technical Working Group. Fisheries and Oceans Canada. Pacific Region. (PI) 2019 \$10,000.
20. Co-Chair PRV risk assessment. Canadian Science Advisory Secretariat. Fisheries and Oceans Canada. (PI) 2018 \$7500.
21. Epidemiology position selection advisor. Fisheries and Oceans Canada. 2018 (PI) \$2500.
22. Training on implementing an Aquaculture Management Operational Risk Assessment Framework. Fisheries and Oceans Canada. (co-PI). 2018 \$6,000.
23. Analysis of options for internal provision of fish health diagnostic services. Fisheries and Oceans Canada. (PI) 2017 \$10,000.
24. Development of an Aquaculture Management Operational Risk Assessment Framework. Fisheries and Oceans Canada. (PI). 2017 \$10,000.
25. A framework for incorporating ecological information to forecast community resilience, health, and wellness. First Nations Health Authority. (PI). 2017 \$7,500.
26. Developing, authoring, and editing Caribbean Prosperity and Resilience Through One Health. University of the West Indies (PI). 2017 \$8,300.
27. Wildlife Health Situation and Response Analysis tool development. Environment and Climate Change Canada. \$20,000. (PI) 2017.
28. Developing and scoping a new fish health framework for Fisheries and Oceans Canada. DFO – Government of Canada. (PI), 2016. \$103,550.
29. Risk Assessment of Pathogen Transmission from Domestic Small Ruminants to Wild Sheep in Yukon and Northern BC. Government of the Yukon. (PI) 2016. 16,750.
30. Snake Fungal Disease Threat Assessment. Environment and Climate Change Canada. (PI) 2016 \$17,000
31. Public Health Decisions on Climate Change Vulnerability. Public Health Agency of Canada. (PI) 2016 \$9,999
32. Rapid threat assessment for *Batrachochytrium salamandrivorans* for Canadian salamanders. Environment Canada. (PI) 2015 \$21,000
33. Cumulative effects and wildlife health – A scoping literature review. British Columbia Ministry of Forests, Land and Natural Resource Operations. (PI) 2015. \$7,000
34. Developing a business case for wildlife health. US Geological Survey. (PI) 2015 \$24,000.
35. Caribbean One Health Leadership training. One Health, One Caribbean, One Love program. Inter-American Institute for Cooperation on Agriculture. (PI). 2014. \$16,000
36. Wildlife surveillance sampling strategies: Sample size considerations. Government of the Northwest Territories. \$25,000 (PI). 2014
37. Strategies for development of a School of Environment, Health and Society. Vancouver Island University. \$14, 500. (PI) 2013-14
38. Health Information Systems assessment of the Canadian Cooperative Wildlife Health Centre. Canadian Cooperative Wildlife Health Centre. \$12,000 (PI). 2013
39. Development, pilot and evaluation of an international One Health self-assessment guide. World Bank. \$25,000 (Co-PI) 2012-13
40. Anthrax in northern bison: a case study of anticipating and preparing for predictable surprise and how a One Health program can improve preparedness and response for endemic zoonotic disease outbreaks. Public Health Agency of Canada. \$24,080 (PI) 2013
41. Teaching modules for ecohealth. Veterinarians Without Borders. \$6000 (PI).2012
42. International animal health policy for invasive alien species: Animal health issues. World Trade Organization. \$19,200 (PI) 2012

43. Scientific report: Role of diseases associated with salmon enhancement facilities on the decline of Fraser River sockeye salmon. Commission of Inquiry into the Decline of Sockeye Salmon in the Fraser River. \$90,000. PI 2011
44. Federal Government Role in One Health: Wildlife Issues. Public Health Agency of Canada. \$10,000 (PI) 2011
45. Ecohealth textbook editing and commentary. International Development Research Centre. \$1500. (PI) 2010-11
46. Assessing the public health value of the Canadian Cooperative Wildlife Health Centre database. Public Health Agency of Canada. \$28,000 (Collaborator). 2010-11
47. Environmental impact of water diversion and the risk of aquatic pathogen transfer and fish disease. AECOM. \$83,000. (PI) 2009-2012
48. Health resources for diagnosing parasitic diseases in First Nations people. Public Health Agency of Canada. \$10,000 (PI) 2010
49. Economic Implications of the One Health approach. Public Health Agency of Canada. \$24,500 (PI) 2009
50. Facilitation and planning Global health Team meeting – Cairo. International Development Research Centre. \$19,800 (PI) 2009
51. Surveillance for vectorborne diseases on Vancouver Island. Vancouver Island Health Authority. \$60,000 (PI) 2009
52. Perspectives of public health practitioners on the uses and value of animal health information. Public Health Agency of Canada. \$10,000 (PI). 2008
53. Winter tick risk management plan for elk and moose in the Yukon. Government of the Yukon. \$10,000 (PI). 2008
54. Cross-disciplinary public health training for veterinarians – pilot study. Canadian Food Inspection Agency. \$21,000 (PI) 2007-08
55. Veterinary public health capacity needs and strengths. Canadian Food Inspection Agency. \$24,000 (PI) 2007-08
56. Chronic Wasting Diseases risks associated with the export of velvet antler from Canadian cervids. Canadian Cervid Alliance. \$15,000. (Co-PI). 2007
57. MRSA in horses in British Columbia and Alberta. Public Health Agency of Canada. \$8,600 (PI) 2007-08
58. Risk assessment on the Devil's Lake water diversion (Aquatic pathogens and fish health). International Joint Commission (PI). \$55,000. 2006-07
59. Prevalence of antimicrobial resistant enteric pathogens in Sri Lankan aquaculture products. Public Health Agency of Canada. \$42,000 (PI) 2007-08
60. Assessment of vulnerabilities and preparedness for Chronic Wasting Disease in Michigan. State of Michigan Department of Agriculture. \$60,236 (PI) 2006-07
61. Handbook of zoonotic diseases for hunters and anglers. British Columbia Centre for Disease Control. \$3500 (Co-PI) 2006
62. Development of training program for fish health and avoidance of antimicrobial resistance in Sri Lanka. Public Health Agency of Canada. \$24,700 (Co-PI) 2006
63. Critical assessment of provincial surveillance of fish disease in commercial aquaculture. Government of British Columbia Ministry of Agriculture and Lands. \$23,000 (PI). 2006-07
64. Risk assessment for live Pacific oysters (*Crassostrea gigas*) imports from Guernsey into British Columbia. Canadian Food Inspection Agency. \$22,600 (Co-investigator). 2006
65. Evaluation of the role of veterinarians in prevention and control of emerging infectious diseases in Canada. Public Health Agency of Canada. \$10,000 (PI). 2006
66. Epidemiological services for the Canadian Cooperative Wildlife Health Centre including project on avian influenza in waterfowl. Canadian Cooperative Wildlife Health Centre. \$100,000 (Co-PI). 2005-10
67. International report card on antimicrobial resistance; data collection and preliminary analysis. Canadian Committee on Antimicrobial Resistance. \$13,500 (PI). 2005
68. Development and implementation of ecological monitoring for West Nile Virus on Vancouver Island 2005. Vancouver Island Health Authority. \$78,000 (PI) 2005
69. Survey for pesticides in raptors and waterfowl in southern BC. Environment Canada Canadian Wildlife Service. \$8,000 (PI) 2005
70. Effects of biosolids exposure on levels of dioxin-like chemicals in beef cattle: Science lead. Greater Vancouver Regional District. \$27,000. (Co-PI) 2005-06
71. Expanded surveillance for West Nile vectors on Vancouver Island. Vancouver Island Health Authority. \$20,000 (PI) 2004
72. Food safety risk of biosolid use on cattle range: Critical review of study methodology. Greater Vancouver Regional District. \$3,750 (Co-PI) 2004
73. Risk assessment for sablefish aquaculture- implications for wild marine life. Fisheries and Oceans Canada. \$20,000 (PI) 2004
74. Surveillance of wildlife diseases in BC: Phase 1, retrospective data. Canadian Cooperative Wildlife Health Centre. \$5,000 (PI) 2003

75. Impacts of management decisions on risks of wildlife shedding zoonotic protozoa into a watershed: A literature review. Capital Regional District (Victoria) \$11,500 (PI) 2003
76. Distribution of mosquito vectors for West Nile virus on Vancouver Island. Vancouver Island Health Authority. \$11,000 (PI) 2003
77. Risk assessment regarding Chronic Wasting Disease and the movement of elk from Alberta to Ontario. Canadian Cooperative Wildlife Health Centre. \$12,000 (Co-PI) 2012
78. *Cryptococcus* outbreak investigation on Vancouver Island – Veterinary Aspects. British Columbia Centre for Disease Control. \$10,000 (PI) 2002
79. Risk Assessment Workshop. Great Lakes Fishery Commission. \$4500 (Co-PI) 2002
80. *Cryptococcus* outbreak investigation on Vancouver Island – Veterinary Aspects. British Columbia Centre for Disease Control. \$20,000 (PI) 2001
81. Critical evaluation of Bureau of Veterinary Drugs guidelines for assessing environmental impacts of veterinary drugs. Health Canada Veterinary Drug Directorate. \$10,000 (PI) 2001
82. Environmental impacts of Carbadox. Health Canada Veterinary Drug Directorate. \$10,000 (PI) 2001
83. Overview of environmental impacts of veterinary antibiotics and antiparasitic drugs. Health Canada Veterinary Drug Directorate. \$10,000 (PI) 2001
84. Factors affecting antimicrobial Decision-Making by Veterinarians and Antimicrobial Sales through Veterinary Wholesaler Buying Groups. Health Canada. \$7500 (Co-PI) 2001
85. Examining the health effects of barotrauma management in rockfish. Fisheries and Oceans Canada. \$1,100 (PI). 2001
86. Diseases issue associated with the translocation and captive breeding of caribou. Government of British Columbia Ministry of Environment. \$15,000 (Co-PI) 2001
87. Problem Analysis: Risks to wildlife from camelids in BC. Government of British Columbia Ministry of Environment. \$7000 (PI) 2001
88. Evaluating disease policy options for the captive breeding of Wood Bison. Government of the Northwest Territories Wildlife Division. \$10,000 (PI) 2000
89. Development of a Fish Health Code of Practice for BC. Government of British Columbia Ministry of Agriculture, Fisheries and Food. \$55,000 (PI) 2000-01
90. Review of risks to wild fish associated with live food market for Tilapia. Fisheries and Oceans Canada. \$5,000 (PI) 2000
91. Outbreak investigation of deformities in netpen salmon in Chile. Nutreco. \$10,000 (PI) 1999
92. Objective assessment of proposed protocols for the introduction and movement of fish. Canadian Aquaculture Industry Alliance/Fisheries and Oceans Canada. \$22,000 (PI) 1999
93. Consultant and report preparation: Health Surveillance- 1999 Gypsy Moth Eradication Program. Capital Health Region – Victoria. \$11,500 (PI) 1999-2000
94. Design and management of an investigation of the public health impacts of antibiotic use in salmon farming in British Columbia. Health Canada Health Protection Branch. \$20,000 (PI) 1999
95. Assessing the risk of re-introducing sockeye salmon to Okanagan Lake. Okanagan First Nations Alliance. \$15,000 (PI) 1998
96. Study of Johnes Disease (a possible zoonosis) in BC dairy cattle (Data analysis). Government of British Columbia Ministry of Agriculture and Food. \$2,500 (PI) 1998
97. Development of Risk Assessment Manual for the Federal-Provincial Fish Transplant Committee. Fisheries and Oceans Canada. \$5,000 (PI). 1997
98. Outline a Product Background Surveillance Program for Seafood Safety and Quality. Canadian Food Inspection Agency. \$5,000 (PI) 1997
99. Design of fish health surveillance programs for commercial and Salmonid Enhancement Program hatcheries. Government of British Columbia Ministry of Agriculture and Food. \$4,600 (PI) 1997
100. Examination of coyotes in B.C. for evidence of heartworm infection. Novartis Animal Health. \$3000 (PI). 1997
101. Development of a serum database for Atlantic salmon. Government of British Columbia Ministry of Agriculture and Food. \$5,000 (PI). 1996
102. Technical Advisor (Health) for Environmental Assessment of the Management of B.C.'s Salmon Farming Industry. Government of British Columbia Environmental Assessment Office. \$45,000 (Co-PI) 1996-97
103. Development of interim risk management strategies for control of Infectious Hematopoietic Necrosis. BC Salmon Farmers Association. \$25,000 (PI) 1996-97
104. Development of an integrated emerging disease surveillance system. Health Canada. \$131,000 (PI) 1996-97

105. *Cryptosporidium parvum* review regarding watershed contamination by cattle. Government of British Columbia Ministry of Forests. \$1,500. (PI) 1996
106. Community-based environmental health surveillance program. Government of British Columbia Ministry of Environment, Lands and Parks. \$24,000 (PI) 1996
107. Environmental impacts of aquaculture therapeutants. Salmon Health Consortium. \$3,450 (PI) 1995
108. Epidemiology of plasmacytoid leukemia in farmed salmon. Government of British Columbia Ministry of Agriculture, Fisheries and Food. \$10,000 (Co-PI) 1992-93

FUNDING FOR RESEARCH OR SCIENCE LEADERSHIP OR MANAGEMENT

1. McEachran Institute. 2023. Core funding \$1.15 million.
2. CWHC core funding. 2014-2020. \$3-4 million secured per year from multiple partners to operate the Canadian Wildlife Health Cooperative.
3. Development of wildlife health intelligence capacity. 2014. Public Health Agency of Canada (CEZD program). \$14,000 (PI)
4. Enhanced wild bird avian influenza surveillance. 2014. Canadian Food Inspection Agency. \$250,000 (PI)
5. Managing the Federal-Provincial fish health management advisory committee. Government of British Columbia Ministry of Agriculture, Fisheries and Food. \$100,000 (PI) 2003-04
6. Fish health research coordinator. Science Council of British Columbia. \$54,000 (PI) 2003-04
7. Fish health consulting services. Government of British Columbia Ministry of Agriculture, Fisheries and Food. \$20,000 (PI) 2002-03
8. Development plan for the Institute for Coastal Studies. Malaspina University-College. \$3,500 (PI) 2001
9. Development of Institutional Research Plan for Malaspina University-College. Malaspina University-College. \$12,000 (PI) 1998
10. Operating the Federal-Provincial fish health management advisory committee. Government of British Columbia Ministry of Agriculture and Lands. \$30,000 (PI) 1995-96

PUBLICATIONS (*denotes trainees)

PEER REVIEWED RESEARCH PUBLICATIONS

1. Li H, Henrichfreise B, Keil J, Nagel M, Stephen C, Reaser J. 2026 (in press). An overview of 18 transdisciplinary and locally led projects efforts to address health risks in wildlife trade. *One Health Outlook*
2. Gomis J, Stephen C. Rethinking a health approach to Ocean One Health. *CABI One Health*. 2025. In press
3. Stephen C, Berezowski J. Expectations of wildlife health surveillance systems and implications for system design. *Research Directions: One Health*. 2025 Jan;3:e2.
4. Wilcox A, Sine S*, Morrill A, Stephen C, Provencher J. 2025. Deconstructing the academic narrative: Applying a determinants of health framework to identify the drivers of research on wood bison (*Bison bison athabasca*). *Ecological Solutions and Evidence* (in press)
5. Suwanpakdee S, Sangkachai N, Wiratsudakul A, Witthawat W, Sakcamduang W, Wongluechai P, Pabutta C, Sariya L, Korkijthamkul W, Blehert bD C, White L, Walsh D, Stephen C, Ratanakorn P, Sleeman J. 2024. Wildlife Health Capacity Enhancement in Thailand through the World Organisation for Animal Health Twinning Program. *Frontiers in Veterinary Science, section Zoological Medicine*. 11, p.1462280.
6. Stephen C, Berezowski J. 2024. Reflective practice is a prerequisite for One Health development. *One Health Outlook*. 6-13.
7. Stephen C, Wilcox A, Provencher J. 2024. From intention to action – cultivating future-ready One Health agents of change. *Research Directions: One Health*. 2:e8. doi:10.1017/one.2024.5
8. Gallagher C*, Stephen C. 2024. Does an Enabling Policy Environment Exist to Manage the Cross-Sectoral “Monkey Problems” of St. Kitts? *Caribbean Journal of Science*, 54(1), pp.109-120.
9. Lee MJ*, Byers KA, Cox SM, Stephen C, Patrick DM, Corrigan R, Himsworth CG. 2024. Municipal urban rat management policies and programming in seven cities in the United States of America. *Journal of Urban Affairs*. 20;46(4):667-81.
10. Stephen C, Walzer C. 2023. The continuum of care as a unifying framework for intergenerational and interspecies health equity. *Frontiers in Public Health*.;11:1236569.
11. Stephen C, Wilcox A, Sine S*, Provencher J. 2023. A reimagined One Health framework for wildlife conservation. *Research Directions: One Health*. 1:e12
12. Stephen C, *Carmo LP, *Montano Valle de Las Nieves D, *Friker B, *Sousa FM, Vidondo B, Berezowski J. The implementation gap in emerging disease risk management in the wildlife trade. *J Wildl Dis*. 2022 Oct 1;58(4):705-15

13. *Gallagher, C.A., Hervé-Claude, L.P., Cruz-Martinez, L. and Stephen, C. Understanding community perceptions of the St Kitts' "monkey problem" by adapting harm reduction concepts and methods. *Frontiers in Ecology and Evolution*. 5;10:904797.
14. *Sinclair D, Stephen C, Parmley EJ, Jones-Bitton A, Poljak Z, Jardine CM. 2023. Using communication networks to assess the level of sharing of wildlife health data and information among wildlife professionals in Ontario, Canada. *Human Dimensions of Wildlife*. Jun 24:1-3.
15. *Lee MJ, Byers KA, Cox SM, Stephen C, Patrick DM, Corrigan R, Himsworth CG. Municipal urban rat management policies and programming in seven cities in the United States of America. *Journal of Urban Affairs*. 2022 Sep 18:1-5.
16. *Lee M, Byers K, Stephen C, Patrick D, Corrigan R, Iwasawa S, Himsworth C. 2022. Reconsidering the "war on rats": What we know from over a century of research into municipal rat management. *Frontiers in Ecology and Evolution*. Mar 23:10
17. *Sinclair D. Stephen C. Parmley EJ Jones-Bitton A, Jardine C. 2022. Defining and measuring wildlife health according to stakeholders. *Canadian Wildlife Biology & Management* 11(1): 3-13
18. Stephen C, Oura C. Reflections on One Health leadership training needs for the 21st century. *One Health*. 2021 Dec;13.
19. *Gallagher C, Keehner J, Herve Claude Luis, Stephen C. (2021). Health promotion and harm reduction attributes in One Health literature: A scoping review. *One Health*. 13. <https://doi.org/10.1016/j.onehlt.2021.100284>
20. *Lee, M. J., Byers, K. A., Cox, S. M., Stephen, C., and Patrick, D. M. (2021). Stakeholder perspectives on the development and implementation of approaches to municipal rat management. *Journal of Urban Ecology*. 7(1) juab013, <https://doi.org/10.1093/jue/juab013>
21. Keatts L, Robards M, Olson, S, Hueffer, Insley S, Joly D, ... & Walzer, C. (2021). Implications of Zoonoses from Hunting and Use of Wildlife in North American Arctic and Boreal Biomes: Pandemic Potential, Monitoring, and Mitigation. *Frontiers in Public Health*, 9, 451.
22. Stephen C, Soos C (2021) The implications of climate change for veterinary services. *Sci Tech Rev* 40(2)
23. Luis Cruz-Martinez, Tara Agostini-Zamora, Luis Pablo Herve Claude, Fortune Sithole, Craig Stephen. (2020). Public Support, Knowledge, and Attitudes Towards Mongoose Control in St. Kitts, West Indies. *Caribbean Journal of Science*, 50(2), 250-257, (22 December)
24. Wade J, Stephen C, Robertson C. Mapping Rocky Mountain ridged mussel beds with preliminary identification of overlapping Eurasian watermilfoil within the Canadian range. *Nature Conservation*. 2020 Sep 23;42:19.
25. Stephen C, Wade J. 2020. Missing in action: Sustainable climate change adaptation evidence for animal health. *Can Vet J*. (61):9.
26. *Pushpakumara N, Dangolla A, Hettiarachchi R, Abeynayake P, Stephen C. (2020). The challenges and opportunities for wildlife disease surveillance in Sri Lanka. *J Wildlife Diseases*. 56(3).
27. Stephen C. Rethinking pandemics in the Anthropocene (2020). *Healthcare Management Forum*. 33(4)-153-157
28. *Wittrock J, Anholt M, Lee M, Stephen C. 2019. Is Fisheries and Oceans Canada policy receptive to a new Pacific salmon health perspective. *Facets*. DOI 10.1139/facets-2019-0015.
29. Duncan C, Patyk K, Wild, MA, Shury T, Leong KM, Stephen C. 2019. Perspectives on wildlife health in national parks: concurrence with recent definitions of health. *Human Dimensions of Wildlife*, 1-9.
30. *Pushpakumara N, Dangolla A, Hettiarachchi R, Abeynayake P, Stephen C. 2019. Surveillance opportunities and the need for intersectoral collaboration on rabies In Sri Lanka. *Journal of Veterinary Medicine*. Article ID 7808517 <https://doi.org/10.1155/2019/7808517>
31. *Bachand, N., Ravel, A., Leighton, P., Stephen, C., Ndao, M., Avard, E. and Jenkins, E., 2019. Serological and molecular detection of *Toxoplasma gondii* in terrestrial and marine wildlife harvested for food in Nunavik, Canada. *Parasites & vectors*, 12(1), p.155.
32. Stephen C, Wade J. 2019. Testing the Waters of an Aquaculture Index of Well-Being. *Challenges* 10 (1): 30.
33. Parkes, M. W., Allison, S., Harder, H. G., Hoogeveen, D., Kutzner, D., Aalhus, M., ... & Chiasson, A. 2019. Addressing the Environmental, Community, and Health Impacts of Resource Development: Challenges across Scales, Sectors, and Sites. *Challenges*, 10(1), 22.
34. Stephen C, Zimmer P, Lee M. 2019. Is there a due diligence standard for wildlife disease surveillance? A Canadian case study. *Canadian Veterinary Journal*. 60(8); 814
35. Stephen C, Griffith-Cochran L, Wade J. 2019. Addressing the Unique Challenges of Community-Based Capture-Hold-Release Aquariums Through a Facility Health Program. *Can J Fish Aqua Sci.*, <https://doi.org/10.1139/cjfas-2018-0425>
36. *Lee M, Byers K, Donovan C, Zabek E, Stephen C, Patrick D, Himsworth C. 2018 Methicillin-resistant *Staphylococcus aureus* in urban Norway rat populations (*Rattus norvegicus*) populations: epidemiology and the impacts of kill-trapping. *Zoonoses and Public Health*. 66(3):343-348
37. *Bachand N, Ravel A, Leighton P, Stephen C, Iqbal A, Ndao M, Konecni K, Fernando C, Jenkins E. Foxes (*Vulpes vulpes*) as sentinels for parasitic zoonoses, *Toxoplasma gondii* and *Trichinella nativa*, in the northeastern Canadian Arctic. 2018. *Int J Parasitology: Parasites and Wildlife*. 7(3): 391-397.
38. Sleeman J, Richgels K, White CL, Stephen C. 2019. Integration of Wildlife and Environmental Health into a One Health Approach. *Sci Tech Rev* 38 (1)

39. Stephen C, Wade J. 2018. Wildlife Population Welfare as Coherence Between Adapted Capacities and Environmental Realities: A Case Study of Threatened Lamprey on Vancouver Island. *Front. Vet. Sci.* 5:227
40. *Wittrock J, Duncan, C, Stephen C. (2018). A Determinants of Health Conceptual Model for Fish and Wildlife Health. *J Wildlife Disease* 55(2):285-297
41. Stephen C. 2018. Evolving urban wildlife health surveillance to intelligence for pest mitigation and monitoring. *Front. Ecol. Evol.*, 30 August. <https://doi.org/10.3389/fevo.2018.00127>
42. Stephen C, Sleeman J, *Nguyen N, Zimmer P, Duff JP, Gavier-Widén D, Grillo T, Lee H, Rijks J, Ryser-Degiorgis M-P, Tana T, Uhart M (2018) Proposed attributes of national wildlife health programmes. *Rev Sci Tech* 37(3)
43. Stephen C, *Wittrock, Wade J. 2018. Using a Harm Reduction Approach in an Environmental Case Study of Fish and Wildlife Health. *EcoHealth*, 15(1):4-7. doi: 10.1007/s10393-017-1311-4
44. *Lee MJ, Byers KA, Donovan CM, Bidulka JJ, Stephen C, Patrick DM, Himsworth CG. Effects of culling on *Leptospira interrogans* carriage by rats. *Emerg Infect Dis.* 2018 Feb [date cited]. <https://doi.org/10.3201/eid2402.171371>
45. *Lee M, Byers K, Donovan C, Bidulka J, Stephen C, Patrick D, Himsworth C (2017): Methicillin-resistant *Staphylococcus aureus* in urban Norway rat (*Rattus norvegicus*) populations: epidemiology and the impacts of kill trapping. *Zoonoses and Public Health*: In Press
46. *Westers T, Ribble C, Daniels S, Checkley S, *Wu J, Stephen C. 2017. Assessing and comparing relative farm-level sustainability of smallholder shrimp farms in two Sri Lankan provinces using indices developed from two methodological frameworks. *Ecological Indicators.* 83: 346–355
47. Stephen C, Duncan C. 2017. Can wildlife surveillance contribute to public health preparedness for climate change? A Canadian Perspective. *Climatic Change* 141(2), 259-271
48. Stephen C. 2016. Wildlife health research 2.0: Bridging the knowledge-to-doing gap. *2017 Journal of Wildlife Disease* 53(1): 1-4.
49. Stephen C, Stemshorn B. 2016. Leadership, governance, and partnerships are essential One Health competencies. *One Health* 2: 161-163
50. *Wu J, Burns T, Kawadugama PK, DeJager T, *Westers T, Scheckley S, Ribble, C, Daniels S, Stephen C. 2016. Linkages between social-learning networks and farm sustainability for smallholder shrimp farmers in Sri Lanka. *J Asian Fisheries Society.* 29(2):96-111
51. Stephen C, *Burns T, Riviere-Cinamond, A. 2016. Pragmatism (or Realism) in Research: Is There an Ecohealth Scope of Practice? *EcoHealth*, 1-4.
52. *Vrbova L, Patrick D, Stephen C, et al. 2016. Utility of Algorithms in the Analysis of Multi-Species Salmonella Surveillance Data. *Epidemiology and Infection* . 144(10):2165-75
53. Robertson, C, *Yee L, Metelka J, Stephen C. 2016. Spatial Data Issues in Geographical Zoonoses Research. *The Canadian Geographer / Le Géographe Canadien*, June, n/a-n/a. doi:10.1111/cag.12280
54. *Burns T, Stephen C. 2015. Finding a Place for Systems-Based, Collaborative Research in Emerging Disease Research in Asia. *Ecohealth.* 12(4):672-84
55. Gray MJ, Lewis JP, Nanjappa P, Klocke B, Pasmans F, Martel A, Stephen C, Parra Olea G, Smith SA, Sacerdote-Velat A, Christman M, Williams J, Olson DH. 2015. *Batrachochytrium salamandrivorans*: the North American response and a call for action. *PLOS Pathogens.* 11(12):e1005251. doi: 10.1371/journal.ppat.1005251
56. *Metelka J, Robertson C, Stephen C. 2015. Japanese Encephalitis: Estimating Future Trends in Asia. *AIMS Public Health.* 2(3): 583-598
57. Stephen C, Zimmer P. 2015. Building blocks for a wild animal health business case. *Global Ecology and Conservation.*
58. *Mahboubi, P., Parkes, M., Stephen, C., & Chan, H. M. 2015. Using expert informed GIS to locate important marine social-ecological hotspots. *Journal of Environmental Management.*
59. Jenkins E. Simone A, *Bachand N, Stephen C. 2015. Wildlife parasites in a One Health world. *Trends in Parasitology.* S1471-4922(15)00003-3. doi: 10.1016/j.pt.2015.01.002
60. *Chapinal N, Schumaker B, Joly D, Elkin B, Stephen C. 2015. Bayesian analysis to evaluate tests for the detection of *Mycobacterium bovis* in free-ranging wild bison in the absence of a gold standard. *Journal of Wildlife Disease* 51(3): 619-625.
61. Stephen, C., Berezowski, J., & Misra, V. 2015. Surprise is a neglected aspect of emerging infectious disease. *EcoHealth*, 12(2), 208-211.
62. *Burns T, DeJager T, Sandaruwan R, Daneil S, Stephen C. 2015. Participatory Trial Using SMS to Share Shrimp Health Information amongst Smallholder Shrimp Farmers in Sri Lanka. *Asian Fish Soc.* 28:15-25
63. *Anholt RM, Robertson C, Berezowski J, Stephen C. 2014. Spatial-temporal clustering of companion animal enteric syndrome: Detection and investigation through the use of electronic medical records from participating private practices. *Epidemiology and Infection.* 29:1-12
64. Stephen C, Karesh W. 2014. Is 'One Health' delivering results? *OIE Scientific and Technical Review*, Vol. 33 (2): 375-379

65. *Nguyen V, Nguyen-Viet H, Pham-Duc P, Stephen C, McEwan S. (2014). Identifying impediments and enablers of ecohealth for a case study of health and environmental sanitation in Hanam, Vietnam. *Infectious Diseases of Poverty*. 3:36 doi:10.1186/2049-9957-3-36
66. *Salb A, Stephen C, Ribble C, Elkin B. 2014. Descriptive epidemiology of detected anthrax outbreaks in wild wood bison (*Bison bison athabasca*) in northern Canada from 1962-2008. *Journal of Wildlife Disease*. Jul;50(3):459-68. doi: 10.7589/2013-04-095.
67. Gunawardana S, Thilakarathne D, Abegunawardana IS, Abeynayake P, Robertson C, Stephen C. 2014. Risk factors for bovine mastitis in the Central Province of Sri Lanka. *Trop Anim Health Prod*. 46(7):1105-12
68. *Anholt RM, Berezowski J, Ribble C, Russell ML, Stephen C (2014). Using informatics and the electronic medical record to describe antimicrobial use in the clinical management of diarrhea cases at 12 companion animal practices. *PLOS One*. 9(7):e103190. doi: 10.1371/journal.pone.0103190.
69. Stephen, C. (2014). Toward a modernized definition of wildlife health. *Journal of Wildlife Diseases*, 50(3), 427-430.
70. *Anholt RM, Berezowski J, MacLean K, Stephen C. 2014. The application of medical informatics to the veterinary management programs at sentinel companion animal practices: an Alberta case study. *Preventive Veterinary Medicine*. 113(2):165-74
71. *Anholt RM, Berezowski J, Jamal I, Ribble C, Stephen C. 2014. Mining free-text medical records for companion animal enteric syndrome surveillance. *Preventive Veterinary Medicine*. 113(4):417-22.
72. *Dhakal S, Joshi DD, Ale A, Sharma M, Dahal M, Shah Y, Pant DK, Stephen C. 2014. Regional variation in farmer knowledge and exposure to Japanese encephalitis risk factors in Nepal: implications for public health education. *PLoS One*. DOI: 10.1371/journal.pone.0085399
73. *Burns T, Stephen C, Wade J. 2014. A scoping analysis of peer reviewed literature about linkages between aquaculture and human development outcomes. *Ecohealth* 11(2):227-40.
74. Hecker K,* el Kurdi S, Joshi DD, Stephen C. 2014. Using network analysis to explore if professional opinions on Japanese Encephalitis risk factors in Nepal reflect a socio-ecological system perspective. *Ecohealth* 10(4):415-22
75. *Sawford K, Vollman A, Stephen C. 2013. A focused ethnographic study of Alberta cattle veterinarians' decision making about diagnostic laboratory submissions and perceptions of surveillance programs. *PLoS ONE*: e64811.
76. *Burns T, Ribble C, McLaws M, Kelton D, Stephen, C. 2013. Perspectives of an Underrepresented Stakeholder Group, Backyard Flock Owners, on Poultry Health and Avian Influenza Control. *Journal of Risk Research*, 16: 245-260.
77. Robertson C, Pant D, Joshi DD, Stephen C. 2013. Comparative spatial dynamics of Japanese Encephalitis and Acute Encephalitis Syndrome in Nepal. *PLoS ONE* 8(7): e66168. doi:10.1371/journal.pone.0066168
78. *Burns, T, Ribble, C. McLaws, M., Kelton, D. Stephen, C. 2013. Can we increase compliance in reportable animal disease control by better understanding the views of stakeholders? A qualitative investigation of British Columbia backyard flock owners perspectives on bird health and avian influenza. *Journal of Risk Research*. 16(2): 245-260
79. Stephen C. 2013. Toward a new definition of animal health: lessons from the Cohen Commission and SPS Agreement. *Optimum Online*. 43(1) March <http://www.optimumonline.ca/article.phtml?id=430>.
80. *DeCiccio E, Stephen C, et al. 2013. Scuticociliatid ciliate outbreak in Australian pot-bellied seashores, *Hippocampus abdominalis* (Lesson, 1827): Clinical signs, histopathological findings and treatment with metronidazole. *Journal of Zoo and Wildlife Medicine*. 44(2): 435-440
81. *Sawford K, Vollman AR, Stephen C. 2012. A Focused Ethnographic Study of Sri Lankan Government Field Veterinarians' Decision Making about Diagnostic Laboratory Submissions and Perceptions of Surveillance. *PLoS ONE* 7(10): e48035. doi:10.1371/journal.pone.0048035
82. *Dhakal S, Stephen C, Ale A, Joshi DD. 2012. Knowledge and Practices of Pig Farmers Regarding Japanese Encephalitis in Kathmandu, Nepal. *Zoonoses and Public Health*. 59(8): 568-574
83. *Chapinal N, Elkin B Joly D Schumaker B, Stephen C. 2012. Agreement between the caudal fold test and serological tests for the detection of *Mycobacterium bovis* infection in bison. *Preventive Veterinary Medicine*. 105:326-330
84. Valiex S, Lokugalappati LGS, Abeynayake P, Prasad T, Chandrasiri ADN, Daniel SLA, Stephen C, Leighton T. 2012. A feasibility study for the establishment of a national wildlife health centre in Sri Lanka. *Rev sci tech Off int Epiz*. 30(3): 740-753.
85. *Anholt RM, Stephen C, Copes R. 2012. Strategies for collaboration for the interdisciplinary field of emerging zoonotic diseases. *Zoonoses and Public Health*. 59(4): 229-240
86. *Dissanayake R, Stephen C, Daniel S, Abeynayake P. 2012. Gap assessment of animal health legislation in Sri Lanka for emerging infectious diseases preparedness. *Outlook on Agriculture*. 41(3): 203-208
87. *Munasinghe N, Stephen C, Robertson C, Abeynayake P. 2012. Seeking farm level and geographic predictors of antibiotic use in Sri Lankan shrimp farms. *Journal of Aquatic Animal Health*. 24(1):22-29
88. *Burns T, Ribble C, Stephen C, Kelton D, Toews L, Osterhold J, Wheeler H. 2012. Use of Observed Wild Bird Activity on Poultry Farms and a Literature Review to Target Species as High Priority for Avian Influenza Testing in 2 Regions in Canada. *Canadian Veterinary Journal*, 53: 153-166.

89. *Pollock S, Stephen C, Skuridina N, Kosatsky T. 2011. Raising Chickens in City Backyards: The Public Health Role. *J Community Health*. 37(3):734-742
90. *Sawford K, Robertson C, Gunawardena S, Stephen C. 2011. Development and Application of a Framework for Emerging Infectious Disease Intelligence in Lower Resource Settings. *J Bioterr Biodef* S4:001. doi:10.4172/2157-2526.S4-001
91. Galanis E, Parmley J, De With N, and the British Columbia Integrated Surveillance of Foodborne Pathogens Working Group. 2011. Integrated surveillance of *Salmonella* along the food chain using existing data and resources in British Columbia, Canada. *Food Research International*, 45(2): 795-801 doi:10.1016/j.foodres.201104.015
92. *Burns T, Guerin M, Kelton D, Ribble C, Stephen C. 2011. On-farm study of human contact networks to document potential pathways of avian influenza transmission between commercial poultry farms in Ontario, Canada. *Transboundary and Emerging Disease*. 58(510-518)
93. *Robertson, C., K. Sawford, S Gunawardena, T. A. Nelson, F Nathoo, C Stephen. 2011. A hidden markov model for analysis of frontline veterinary data for emerging zoonotic disease surveillance. *PLoS ONE*. 6(9): e24833. doi:10.1371/journal.pone.0024833
94. *Robertson C, Nelson T, Stephen C. 2011. Spatial epidemiology of suspected clinical leptospirosis in Sri Lanka, *Epidemiology and Infection*. 140(4):731-43. DOI: 10.1017/S0950268811001014 Published online: 07 June 2011
95. *Duncan C, Bartlett K, Lester S, Bobsien B, Campbell J, Stephen C, Raverty R. 2011. Surveillance of *Cryptococcus gatti* in horses on Vancouver Island, British Columbia, Canada. *Medical Mycology*. 49(7):734-8 Early OnLine 1-5. <http://informahealthcare.com/doi/abs/10.3109/13693786.2011.560196>
96. *Burns T, Ribble C, Stephen C, Kelton D. 2011. Preliminary investigation of bird and human movement and disease management practices in non-commercial poultry flocks in southwest British Columbia. *Avian Diseases*. 55(3):350-7. Published Online: May 18, 2011
97. Ribble C, Stitt T, Iwasawa S, Toews L, Stephen C. 2010. A review of alternative practices to antimicrobial use for disease control in the commercial feedlot-executive summary. *Canadian Journal of Infectious Disease and Medical Microbiology*. 21(3): 128-129 (with link to full report).
98. *Munasinghe N, Stephen C, Abeynayake P, Abeygunwardena I. 2010. Shrimp farming practices in the Puttalam district of Sri Lanka: Implications for disease control, industry sustainability and rural development. *Veterinary Medicine International*. Article ID 679130. doi: 10.4061/2010/679130
99. *Robertson, C, K *Sawford, SLA Daniel, TA Nelson, C Stephen. 2010. Mobile phone-based infectious disease surveillance in Sri Lanka. *Emerging Infectious Diseases*. 16(10): [serial on the Internet]. <http://www.cdc.gov/EID/content/16/10/1524.htm>
100. Stephen C, Daibes, I. 2010. Defining features of the practice of global health research: an examination of 14 global health research teams. *Global Health Action* 3: 5188. DOI: 10.3402/gha.v3i0.5188 <http://www.globalhealthaction.net/index.php/gha/article/view/5188/5770>
101. Stephen C, Ninghui L, Zhang L, Yeh. F. 2010. Animal health policy principles for highly pathogenic avian influenza: Shared experience from China and Canada. *Zoonoses and Public Health* 58(5):334-42 DOI: 10.1111/j.1863-2378.2010.01351.x
102. *Vrbova L, Stephen C, Kasman N, Boehnke R, Doyle-Waters M, Chablitt Clark A, Gibson B, Brauer M, Patrick D. 2010. Systematic Review of Surveillance Systems for Emerging Zoonoses. *Transboundary and Emerging Diseases*. 57(3): 154-161
103. Tokatelloff N, Manning ST, Weese S, Campbell J, Rothenburger J, Stephen C, * Bastura V, Gow SP, Reid-Smith R. 2009. Prevalence of methicillin-resistant *Staphylococcus aureus* colonization in horses in Saskatchewan, Alberta and British Columbia. *Canadian Veterinary Journal*. 50(11): 1177-1180
104. Stephen C. 2009. The challenge of integrating ecosystem health throughout a veterinary curriculum. *J Veterinary Medical Education*. 36(1): 145-151
105. Stephen C, *DiCicco E, *Munk B. 2008. British Columbia's fish health regulatory framework's contribution to sustainability goals for salmon aquaculture. *Ecohealth* 5(4):472-81
106. Stephen C, Parmley J, Dawson-Coates J, Fraser E, Conly J. 2007. Obstacles to Developing a Multinational Report Card on Antimicrobial Resistance for Canada. *Microbial Drug Resistance*. 13(4): 251-260
107. Grahn BH, Sangster C, Breaux C, Stephen C, Sandmeyer L. 2007. Case Report: Clinical and Pathologic Manifestations of Gas Bubble Disease in Captive Fish. *J of Exotic Pet Medicine*. 16(2): 104-112.
108. *McLaws M, Ribble C, Stephen C, McNabb B, Romero Barrios P. 2007. Reporting of suspect cases of foot-and-mouth-disease during the 2001 epidemic in the UK, and the herd sensitivity and herd specificity of clinical diagnosis. *Preventive Veterinary Medicine*. 78(1):12-23
109. Stitt T,* Mountfield J, Stephen C. 2007. Opportunities and obstacles to collecting wildlife disease data for public health purposes: Results of a pilot study on Vancouver Island, British Columbia. *Canadian Veterinary Journal* 48(1): 83-90
110. *McLaws M, Ribble C, Martin W, Stephen C. 2006. Factors associated with the clinical diagnosis of foot and mouth disease during the 2001 epidemic in the UK. *Preventive Veterinary Medicine*. 77(1-2): 65-81
111. Stephen C, Plamondon N, Belton P. 2006. Notes on the distribution of mosquitoes on Vancouver Island, British Columbia with emphasis on the potential for West Nile virus transmission. *J Am Mosquito Control Association* 22(3):553-6.

112. *Duncan C, Stephen C, Campbell J. 2006. Clinical characteristics and predictors of mortality for *Cryptococcus gattii* infection in dogs and cats of southwestern British Columbia. *Canadian Veterinary Journal*. 47(10): 993-998
113. *Duncan C, Schwantje H, Stephen C, Campbell J, Bartlett K. 2006. *Cryptococcus gattii* in wildlife of Vancouver Island, British Columbia, Canada. *Journal of Wildlife Diseases*. 42(1):175-8.
114. *Duncan C, Stephen C, Campbell J. 2006. Evaluation of risk factors for clinical *Cryptococcus gattii* infection in dogs and cats. *Journal of the American Veterinary Medical Association*. 228(3):377-82
115. *Duncan C, Stephen C, Lester S, Bartlett K. 2005. Follow-up study of dogs and cats with asymptomatic *Cryptococcus gattii* infection or nasal colonization. *Medical Mycology* 43(7):636-666.
116. *Duncan C, Stephen C, Lester S, Bartlett K. 2005. Sub-clinical infection and asymptomatic carriage of *Cryptococcus gattii* in dogs and cats during an outbreak of cryptococcosis. *Medical Mycology* 43(6): 511-516.
117. Stephen C, Artsob H, Bowie W, Drebot, M, Fraser E, Leighton T, Morshed M, Ong C, Patrick D. 2004. Perspectives on emerging zoonotic disease research and capacity building in Canada. *Canadian Journal of Infectious Disease and Medical Microbiology* 15(6): 339-344. Co-published in *Canadian Veterinary Journal*. 46(1): 65-71
118. Fraser E, Stephen C, Bowie W, Wetzstein M. 2004. Availability and estimates of veterinary antimicrobial use in British Columbia. *Canadian Veterinary Journal*. 45: 309-311.
119. Stephen C, Thorburn M. 2004. Formulating a vision for fish health research. *Guelph Ichthyology Reviews*. <http://repository.lib.uoguelph.ca/gir/viewarticle.php?id=3>
120. Nishi JS, Stephen C, Elkin BT. (2002). Implications of agriculture and wildlife policy on management and eradication of bovine tuberculosis and brucellosis in free ranging Wood Bison in northern Canada. In *The Domestic Animal/Wildlife Interface: Issues for Disease Control, Conservation, Sustainable Food Production, and Emerging Diseases* edited by E. Paul J. Gibbs and Bob H. Bokma. *Annals of the New York Academy of Sciences*. 969: 1-9.
121. Stephen C, Lester S, Black W, Fyfe M, Raverty S (2002) Multi-species outbreak of cryptococcosis on Southern Vancouver Island, British Columbia. *Canadian Veterinary Journal* 43(10): 792-794.
122. *St-Hilaire S, Ribble CS, Stephen C, Anderson E, Kurath G, Kent ML. (2002) Epidemiological investigation of infectious hematopoietic necrosis virus in salt water net-pen reared Atlantic salmon in British Columbia, Canada. *Aquaculture* 212(ed1-4): 46-67.
123. Stephen C, Pearce MR, Bender C. 2001. Human health effects of aerial spraying of *Bacillus thuringiensis kurstaki*-based biological pesticides - A review of observational data and overview of surveillance conducted in Victoria, British Columbia, Canada 1999. *Environmental Health Review*. October.
124. Stephen, C, Ribble, CS. (2001). Death, Disease and Deformity: Using Outbreaks of Disease in Animals as Sentinels for Emerging Environmental Health Risks. *Global Change and Human Health*. 2(2): 108-117
125. Sifton E, Stephen C, Bowie W, Wetzstein, M. (accepted May, 2001) Animal antimicrobial use in British Columbia. *Canadian Veterinary Journal*
126. Stephen C. 2001. Applying risk assessment to fish health policy and management. *ICES Journal of Marine Science*. 58(2): 374-379.
127. *St. Hilarie, S., Stephen, C., Kent, M., Ribble, C.S. 2001. Sentinels in a bay: A model for assessing disease transmission in fish. *ICES Journal of Marine Science*. 58(2): 363-373.
128. Ching H, Leighton B, Stephen C. 2000. Intestinal parasites of raccoons (*Procyon lotor*) from southwest British Columbia. *Canadian Journal of Veterinary Research*. 64(2):107-111.
129. *Aramini JJ, Stephen C, Dubey JP, Englestoff C, Schwantje H, Ribble CS. 1999. Potential contamination of drinking water with *Toxoplasma gondii* oocysts. *Epidemiology and Infection*. Apr 122(2): 305-315.
130. Young, S., Huff, D., Stephen, C. 1999. A risk management approach to a mycotic disease potential in captive beluga whales (*Delphinapterus leucas*). *Zoo Biology*. 18(1):5-16.
131. Harding LE, Harris ML, Stephen C, Elliott JE. 1999. Reproductive and physiological condition of wild mink (*Mustela vison*) and river otter (*Lutra canadensis*) in relation to chlorinated hydrocarbon contamination. *Environmental Health Perspectives*. 107(2): 141-147.
132. *Aramini, J., Dubey, J.P., Stephen, C. 1998. *Toxoplasma gondii* in Vancouver Island cougars (*Felis concolor vancouverensis*): Serology and oocyst shedding. *Journal of Parasitology*. 84(2):438-440.
133. Stephen, C., Ribble, C.S. 1997. Mortality surveys as a tool for studying marine anaemia in seapen-reared chinook salmon, *Oncorhynchus tshawytscha* (Walbaum). *Aquaculture Research*. 28: 265-269.
134. Bowie, W.R., King, A.S., Werker, D.H., Isaac-Renton, J.L., Bell, A., Eng, S.B. *et al*. 1997. Outbreak of toxoplasmosis associated with municipal drinking water. *Lancet*. 350:173-177.
135. Stephen, C., Haines, D., Atkinson, K., Schwantje, H., Bollinger, T. 1996. Serological evidence of toxoplasma infections in cougars (*Felis concolor*) on Vancouver Island, British Columbia. *Canadian Veterinary Journal*. 37:241.
136. Stephen, C., Ribble, C.S. 1996. The descriptive epidemiology of marine anemia in seapen-reared salmon in southern British Columbia. *Canadian Veterinary Journal*. 37:420-425.
137. Stephen, C. 1996. Capture-recapture methods in epidemiologic studies. *Infection Control and Hospital Epidemiology*. 17(4): 262-266.

138. Banerjee, S., Stephen C. 1996. Evaluation of dogs as sero-indicators of the geographic distribution of Lyme borreliosis in British Columbia. *Canadian Veterinary Journal*. 37: 168-169.
139. Stephen, C., Daly, P., Martin, M. 1996. The public health response to suspected rabies exposure in British Columbia (1989-1994). *Canadian Veterinary Journal*. 37: 163-164.
140. Stephen, C., Ribble, C.S. 1995. Marine anemia in farmed chinook salmon (*Oncorhynchus tshawytscha*): Development of a working case definition. *Preventive Veterinary Medicine*. 25(3-4): 259-269.
141. Stephen, C., Ribble, C.S., Kent, M.L. 1995. The effects of changing demographics on the distribution of marine anemia in farmed salmon. *Canadian Veterinary Journal*. 36: 557-562.
142. Stephen, C., Ribble, C.S. 1995. An evaluation of surface moribund salmon as indicators of seapen health. *Aquaculture*, 133: 1-8.
143. Stephen, C., Ribble, C.S., Kent, M.L. 1995. Observer variation in the histological diagnosis of plasmacytoid leukemia (marine anemia). *Canadian Journal of Veterinary Research*. 59: 15-19.
144. Stephen C., Burger, A. 1994. A comparison of methods for surveying mortality in beached birds in British Columbia. *Canadian Veterinary Journal*. 35: 631-635.
145. Stephen, C. 1993. Hiatal hernia in a Harbor Porpoise (*Phocena phocena*). *Journal of Wildlife Disease*. 29: 364-366.
146. Stephen, C. Kent, M.L. 1993. Hepatic megalocytosis in chinook salmon (*Oncorhynchus tshawytscha*). *Diseases of Aquatic Organisms*. 16: 35-39.

EDITED NON-PEER REVIEWED PUBLICATIONS

1. Stephen C, Walsh MC, Delage E, Cross J, Gallagher C. 2024. Scanning educational opportunities to confront grand challenges in animal health. *Research Directions: One Health. Cambridge Open Engage*. DOI: [10.33774/coe-2024-c3fml](https://doi.org/10.33774/coe-2024-c3fml)
2. Stephen C. Animal health in the face of unprecedented global change. *The Canadian Veterinary Journal*. 2024 Feb 1;65(2):189-91.
3. Stephen C. Introducing the McEachran Dialogues. *Canadian Veterinary Journal*. 64(12): 1163.
4. Stephen C. 2023. McEachran Institute Dialogues: Animal health education in changing world. *Research Directions: One Health. Cambridge Open Engage*. DOI <https://doi.org/10.33774/coe-2023-c5dfk>
5. Stephen C. 2023. Strengthening ties with public health for joint action on global health threats. Part 2. *The Canadian veterinary journal*. Apr;64(4):385-7.
6. Stephen C. 2023. Strengthening ties with public health for joint action on global health threats. Part 1. *Canadian Veterinary Journal*. 64(2):185
7. Stephen, C. National Collaborating Centre for Environmental Health (NCCEH). *One Health: A primer for environmental public health practice*. Vancouver, BC: NCCEH. Sep 2022.
8. Stephen C. 2022. The scope of environmental health practice through a One Health lens. Report to the National Collaborating Centre for Environmental Health. 2022.
9. Stephen C. Collective global amnesia. *One Health's greatest challenge. The Canadian veterinary journal= La revue veterinaire canadienne*. 2021 Dec;62(12):1345-6.
10. Stephen C, Charon M, Stemshorn B. 2019. Climate Change and Veterinary Medicine: Action is needed to retain social relevance. *Can Vet J*. 60(12): 1356
11. Stephen C. 2019. Harm reduction action is needed for biodiversity and climate change in an era of warning fatigue. Canadian Science Policy Centre. <https://sciencepolicy.ca/news/harm-reduction-action-needed-biodiversity-and-climate-change-era-warning-fatigue>
12. Stephen C. 2019. The Pan-Canadian approach to wildlife health. *Canadian Veterinary Journal*. 60(2): 145
13. Stephen C. Wildlife health: A foundation for preparedness for environmental change. *Canadian Veterinary Journal*. 2016;57(10):1095-1097.
14. Stephen C. Front-line action to protect amphibian biodiversity. *Canadian Veterinary Journal*. 2016;57(8):809.
15. Stephen C. 2015. The Canadian Wildlife Health Cooperative: Addressing wildlife health challenges for the 21st century. *Canadian Veterinary Journal*. 56(9): 925-927.
16. Stephen C. 2015. Connecting Evidence and Policy When There is High Uncertainty and Disseminated Responsibility. The Case of Health at the Interface of Nature, Economics and Society. Editorial. Canadian Science Policy Centre. <https://sciencepolicy.ca/news/connecting-evidence-and-policy-when-there-high-uncertainty-and-disseminated-responsibility-case>
17. Stephen C. 2011. Personal insights from the 1st International One Health Congress in Melbourne, Feb 2011. National Collaborating Centre for Infectious Diseases Purple Paper. Vol.25. March
18. *Pollock S, Stephen C. 2010. Why you should get to know your local veterinarian. *BC Medical Journal*. 52(1):15
19. Raverty S, Stephen C, Fiessel W, Carlsen K. 2001. A preliminary microbiological and serological investigation into *Brucella* spp in neonatal and juvenile Harbour seals (*Phoca vitulina richardsi*) presented to the Vancouver Aquarium Marine

- Mammal Centre and Saltspring Island Wildlife Recovery Care Centre. BC Animal Health Newsletter Diagnostic Diary. 11(2): 13-14
20. The B.C. Toxoplasmosis Team. 1995. Outbreak of toxoplasmosis associated with municipal drinking water - British Columbia. Canadian Communicable Disease Report. Sept. 30. Vol. 21-18.
 21. Stephen, C., Bell, A. 1995. Recent trends in measles and rubella in British Columbia. B.C. Medical Journal. 37: 634-663.
 22. Stephen, C., Syrja, L. 1995. Evaluation of a passive communicable disease surveillance system. B.C. Health and Disease Surveillance. 4: 55-61.
 23. Stephen, C., Johnson, M., Bell, A. 1994. Hantavirus Pulmonary Syndrome in Canada - First reported case. Canadian Communicable Disease Report. Aug. 20(15): 121-128.
 24. Stephen, C., Johnson, M., Bell, A. 1994. Descriptive epidemiology of invasive meningococcal disease in British Columbia: 1981-1993. B.C. Health and Disease Surveillance. 3(6): 67-71.
 25. Stephen C., McRoberts, M., Dhanani, S. 1994. Adverse events surveillance system: Summary, 191-1992. B.C. Health and Disease Surveillance. 3(7/8): 82-87.
 26. Stephen, C., Johnson, M., Bell, A. 1994. A mail survey of recent cases of typhoid and paratyphoid fever in British Columbia. B.C. Health and Disease Surveillance. 3(7/8): 88-89.
 27. Stephen, C., Johnson, M., Bell, A. 1994. Examining exanthemas: An accounting of British Columbia measles and rubella in 1993. B.C. Health and Disease Surveillance. 3(6): 72-76.
 28. Stephen, C., Johnson, M., Bell, A. 1994. Meningococcal disease in British Columbia, 1993. B.C. Health and Disease Surveillance. 3(5): 54-56.
 29. Stephen, C. 1992. Questions about Hitra disease (letter to editor). Canadian Veterinary Journal 34: 5-6.
 30. Kent, M.L., Newbound, G.C., Dawe, S.C., Stephen, C., Eaton, W.D. Traxler, G.S., Kieser, D., Markham, R.F. 1993. Observations on the transmission and range of plasmacytoid leukemia of chinook salmon. Fish Health Section - American Fisheries Society Newsletter. 21: 1-3.
 31. Stephen C. 1988. Capture myopathy in a Fallow Deer. Wildlife Veterinary Report. 1(1): 8.

TECHNICAL REPORTS

1. Stephen C, Walzer C, O'Cruidain C, Vengates P, Meseko C, Knauf S. Guidance for the assessment of health interventions in the wildlife trade. <https://doi.org/10.5281/zenodo.17248351>
2. Stephen C, Wade J. 2023. 2023. Commentary on the disease aspects of the Species Status Report American White Pelican *Pelecanus erythrorhynchos*, ᑭᑭᑭᑭᑭᑭ (Chipewyan), ᑭᑭᑭᑭᑭᑭ (South Slavey), ᑭᑭᑭᑭᑭᑭ (Cree) in the Northwest Territories. Report to the Government of the NWT
3. Stephen C, Berezowki J. 2022. Perspectives on opportunities for WOA standards and guidelines to better address wildlife health. Report to the World Animal Health Organization (formerly OIE).
4. Stephen C, Parmley J. 2022. A transformative One Health agenda for livestock dependent communities. ILRI
5. Stephen C 2021. Wildlife health vulnerability intelligence as proactive management tool. Environmental and Climate Change Canada
6. Stephen C 2021. Strategic guidance on emerging disease risk management in wildlife health. Environmental and Climate Change Canada
7. Stephen C, Berezowski et al. 2021. Rapid Review of Evidence on Managing the Risk of emerging Diseases in the Wildlife Trade. OIE.
8. Zimmer M, Zimmer P, Stephen C. 2019. Rapid threat assessment for chronic wasting disease in boreal caribou. Environment and Climate Change Canada
9. Stephen. 2018. Analysis of options for internal provisions of fish health diagnostic services. Fisheries and Oceans Canada – Pacific Region.
10. Stephen C, Zimmer P. 2018. Finding Common Ground: The value of a national wildlife health approach to provinces and territories. Ontario Ministry of Natural Resource Management
11. McBurney S, Stephen C, Jefferson DM, Zimmer P. 2017. Strategies to Prevent and Control Bird-Feeder Associated Diseases and Threats.
12. Segers J, Zimmer P, McBurney S, Stephen C 2017. Regulatory considerations for control of wildlife diseases. Bat White-nose Syndrome Treatment Regulations Overview 19pp.
13. Stephen C, Wade J. 2017. Aquaculture Management Division. Risk Management Guide. Fisheries and Oceans Canada. _ Pacific region
14. Stephen C. 2017. A guide to situation and response analysis. Environment and Climate Change Canada.
15. Stephen C. *Wittrock J. 2017. Options for finding a path forward to incorporate ecological health indicators. BC First Nations Health Authority
16. Stephen C. 2017. Pan-Canadian Approach to Wildlife health. Environment and Climate Change Canada.

17. Nguyen NT, Duff P, Gavier-Widén D, Grillo T, He H, Lee H, Ratanakorn P, Rijks JM, Ryser-Degiorgis M-P, Sleeman JM, Stephen C, Tana T, Uhart M, Zimmer P. (2017) Report of the workshop on evidence-based design of national wildlife health programs. U.S. Geological Survey Open-File Report 2017–1038, 18 p., <https://doi.org/10.3133/ofr20171038>.
18. Stephen C, Shirose L, Snyman H (2017): Snake Fungal Disease Rapid Threat Assessment. Prepared for Environment and Climate Change Canada.
19. Stephen C, Duncan D. 2016. Candidate early warning signals at the wildlife-environment-human nexus to inform public health decisions on climate change vulnerability. Report to the Public Health Agency of Canada. March.
20. Stephen C. 2016. Exploring a wildlife health agenda for the CFIA: A scan of policy, obligations and expectations. Report to the Canadian Food Inspection Agency. March
21. Stephen C, Zimmer P. 2016. Review 2015-16 avian influenza surveillance. Report on capacity to meet performance expectations of the national plan. Report to the Canadian Food Inspection Agency. March
22. Stephen C, Zimmer P. 2016. National Wild Bird Interagency Avian Influenza Surveillance Program – Operational plan 2016-17. Canadian Food Inspection Agency
23. Nishi J, Elkin VB, Stephen C. 2016. A Review of Animal Health Policies and its Implications for Salvaging a Captive Breeding Herd of Disease-free Wood Bison (*Bison bison athabascae*). File Report No. 146, Department of Environment and Natural Resources, Government of the Northwest Territories. Dec. 2105
24. Stephen C, Zimmer P, Moffatt E, Parmley J. 2015. Considerations for planning future wild bird avian influenza surveillance in Canada. Canadian Food Inspection Agency
25. Stephen C, Forzan M, Redford T, Zimmer M. 2015. *Batrachochytrium salamandrivorans*. A Threat Assessment of Salamander Chytrid Disease. Environment Canada
26. Stephen C, Stitt T. 2014. Animals as sentinels for public health risk associated with the oil and gas industry: A primer for environmental health professionals. National Collaborating Centre for Environmental Health.
27. Stephen C. 2014. Wildlife health surveillance design and sample size considerations. Department of Environment and Natural Resources. Government of the Northwest Territories.
28. Stephen C, Ribble C, Dawson J. 2014. Scoping the development of a School of Environment, Health and Society at Vancouver Island University. Vancouver Island University
29. Stephen, C., DeJager, T., Daniel, S., Jayakody, S., & Dawson, J. 2013. Promoting rural income from sustainable aquaculture through social learning in Sri Lanka: final technical report. IDRC (August 2010-December 2012).
30. Stephen C, Stemshorn B. 2013. A Framework for Identifying Institutional Strengths and Needs for One Health Programs. Report to the World Bank and the Stone Mountain Working Group.
31. Stephen C. 2010 Gladstone lakes and proposed receiving waters fish health sampling: Final Results and Implications for Risk Assessment. Report to AECOM
32. Stephen C, Stitt T, Dawson-Coates J, McCarthy A. 2011. Assessment of the potential effects of diseases present in salmonid enhancement facilities on Fraser River sockeye salmon. Report to the Cohen Commission into the Decline of Sockeye Salmon in the Fraser River
33. Stephen C. 2011. Federal Government Role in One Health: Wildlife Issues. Public Health Agency of Canada
34. Stephen C, Dawson J. 2010. Fish Pathogen/Parasite Study. Project 113258 Gladstone Water Diversion. Report to AECOM
35. Stephen C. 2009. Global Health Research Initiative. 2009 Teasdale-Corti Meeting Report. Cario
36. Hammel, L., Stephen, C., Bricknell, I., O. Evensen. 2009 "Salmon Aquaculture Dialogue Working Group Report on Salmon Disease" commissioned by the Salmon Aquaculture Dialogue, World Wildlife Fund. available at <http://www.worldwildlife.org/site/PageNavigator/SalmonSOIForm>
37. Stephen C, Dawson J, Stitt, T. 2009. Phase 1 and 2– Fish Pathogen/Parasite Study; Background and proposed study design - Project 113258 Gladstone Water Diversion. Report to AECOM for the
38. *Pollock S,* Anholt M, Borden L, Parmley J, Tataryn J, Stephen C. 2008. Strengths, weaknesses, and opportunities for an integrated approach to veterinary public health in Canada. Report to the Canadian Food Inspection Agency.
39. *Pollock, S, Stephen C. 2008. Perceived use and value of animal data for local public health. Report to the Public Health Agency of Canada.
40. *Vrbova L, Stephen C, Kasman N, Boehnke R, Doyle-Waters M, Gibson B, Chablitt-Clark A, Brauer M, Fitzgerald M, Patrick D. 2007. Systematic Review of Surveillance Systems for Emerging Zoonotic Diseases. Report to the National Collaborating Centre for Environmental Health
41. Ducrocq J, Dawson-Coates J, Parmley J, Stephen C. 2007. A systematic review of Michigan's policy for Chronic Wasting Disease prevention, detection and control. Prepared for the Michigan Department of Natural Resources.
42. Ducrocq J, Tataryn J, Dawson-Coates J, Parmley J, McClaws M, Stephen C. 2007. Cervid Industry Market Access Report: Chronic Wasting Disease Risks Associated with the Export of Velvet from Canadian Cervids. Report to the Canadian Cervid Association.
43. Stephen C, Dawson-Coates J, DiCicco E. 2007. Pathogen Risks Associated with the Diversion of Water from Devil's Lake into the Red River Drainage. Report to the International Joint Commission

44. Stephen C, Ribble C, Sears W. 2007. Field trial of the effects of grazing cattle on pastures fertilized with biosolids: Dioxins and Furans. Report to the Greater Vancouver Regional District.]
45. Stephen C. 2006. Veterinary public health and the prevention and control of emerging disease of public health significance in Canada. Report to the Chief Public Health Officer of Canada.
46. Parmley J, Stephen C, Fraser E. 2006. Risk assessment for live Pacific oysters (*Crassostrea gigas*) from Guernsey into British Columbia. Report to the Canadian Food Inspection Agency
47. Stephen C. Dawson-Coates, J. Parmley J, Fraser E. 2005. Towards an International Report Card on Antimicrobial Resistance. Report to the Canadian Committee on Antimicrobial Resistance.
48. Stephen C, Fraser E. 2004. British Columbia Sablefish aquaculture risk assessment based on the national codes of introductions and transfers. Report to the Department of Fisheries and Oceans, Aquaculture Division, Pacific Region.
49. Stephen C, Dawson-Coates J. 2004. Capacity of the British Columbia shellfish industry to meet European Union health requirements for exports: Preliminary situation assessment. Prepared for the BC Ministry of Agriculture, Fisheries and Food.
50. Sheppard M, Stephen C. 2004. Guidelines to Managing Fish Health of Yellowtail Kingfish. The foundation for a health program for Australian finfish aquaculture. Federal Research and Development Corporation's Aquatic Animal Health Subprogramme: project No. 2003/216 (for South Australia Marine Finfish Farmers Association) entitled: Detection and management of yellowtail kingfish (*Seriola lalandi*, YTK) health issues.
51. Stephen C, Olaloku N. 2004. Zoonotic Protozoal Parasites of Wildlife Origin: Relevance to the Capital Regional District Water Supply Area. Report to the Capital Regional District Water Department.
52. Stephen C. 2004. Salmon Holding Capacity in SW New Brunswick: Commentary on the Canadian Technical Report of Fisheries and Aquatic Sciences 2489. Report to the New Brunswick Salmon Growers Association.
53. Schwantje H, Stephen C. 2003. Communicable diseases risks to wildlife from camelids in British Columbia. Report to the Ministry of Water, Air and Land Protection. http://wlapwww.gov.bc.ca/wld/documents/wldhealth/camelids_risk03.pdf
54. Karreman G, Saksida S, Jones S, Stephen C. 2003. Reducing the Impact of *Kudoa thyrsites* in Farmed Atlantic Salmon in British Columbia. Prepared for Fisheries and Oceans Canada.
55. Fraser (Sifton) E, Stephen C. 2002. Translocation of elk from Elk Island National Park, Alberta to Ontario: A risk assessment for chronic wasting disease. Prepared for the Canadian Cooperative Wildlife Health Centre.
56. Stephen C. 2001. Policy options for establishing a recognized herd of captive, disease-free Wood Bison as part of a conservation management plan. Submitted to the Government of the Northwest Territories, Department of Resources, Wildlife and Economic Development
57. Stephen C, Sifton E, Bowie W. 2000. Antimicrobial Use in Animals in British Columbia: A Preliminary Investigation of Use and Susceptibility Patterns and an Assessment of Surveillance Opportunities and Obstacles. Report to the BC Medical Services Foundation. Vancouver.
58. Stephen C. 1999. Human health effects of exposure to aerial sprays of *Bacillus thuringiensis*. A literature review. Report to the Medical Health Officer. Capital Health Region.
59. Stephen C. 1999. Disease risks associated with the re-introduction of sockeye salmon into Okanagan Lakes. Report to the Okanagan Nation Alliance.
60. Adams, V, Ribble CS, Stephen C. 1999. Assessing the risk of rabies emergence in British Columbia in raccoons and coyotes. Report to BC Centre for Disease Control.
61. Stephen C, Ribble, CS, Aramini, JJ. 1998. Incorporating Animal Data into Emerging Human Disease Surveillance in Canada. Report to the Bureau of Surveillance and Field Epidemiology, Health Canada. Ottawa.
62. Aramini JJ, Stephen C, Englestoft C, Schwantje H. 1997. Ecology of pathogenic protozoa in the Greater Victoria Water Supply Area. Report to Greater Victoria Water District.
63. Stephen, C. Iwama, G. 1997. Report to the B.C. Environmental Assessment Office Salmon Aquaculture Review. Health Issues.
64. Stephen, C. Krabel, B. 1996. *Cryptosporidium parvum* review regarding watershed contamination by cattle. Report to B.C. Ministry of Forests.
65. Stephen C., McAdie, M. 1995. The environmental impact of aquaculture therapeutants: A risk assessment approach. Report to the Salmon Health Consortium, Ottawa.
66. Stephen, C., Ribble, C.S. 1993. The epidemiology of marine anemia (plasmacytoid leukemia) in farmed salmon in British Columbia. Report to the B.C. Ministry of Agriculture, Fisheries and Food.

CONFERENCE PROCEEDINGS

1. Ryser-Degiorgis Marie-Pierre, Sleeman Jonathan, *Nguyen Natalie, Zimmer Patrick, Duff J. Pau, Gavier-Widén Dolores, Grillo Tiggy, Lee Hang, Rijks Jolianne, Tana Toni, Uhart Marcela, Ratanakorn Parntep, Ågren Erik, Stephen Craig. (2018). Review of requirements of a wildlife health surveillance programme. EWDA 8th Network Meeting. Greece

2. Parmlet, Ej, Jardine C,.....Stephen C. (2017, April). Transforming a wildlife disease surveillance program into a new health intelligence system. In *3rd International Conference on Animal Health Surveillance* (p. 17).
3. *Gunawardana WSN, Abeynayake P, Thilakarathne DS, Stephen C, Abeygunawardena IS. 2011. Effect of Weather Patterns on Bovine Clinical Mastitis in Nuwara Eliya District of Sri Lanka. Proceedings of the Peradeniya University Research Sessions, Sri Lanka, Vol. 16, 24 November
4. Firestone SM, Hall DC, Waltner-Toews D, Davidson J, Stephen C. 2009. Control of emerging infectious diseases in south and south-east Asia through eco-health networking and trans-disciplinary approaches. The 15th Congress of the Federation of Asian Veterinary Associations (FAVA) and FAVA/OIE Joint Symposium (Bangkok, Thailand, 27-29 October 2008)
5. *Adams, V.J., Ribble, C.S., Stephen, C.S., Schwantje, H. 1999. Risk of transmission of rabies from raccoons and coyotes to humans in British Columbia. Proceedings of the Conference of Research Workers in Animal Disease. Chicago. Nov 7-9.
6. *Adams V.J., Ribble, C.S., Stephen, C.S., Schwantje, H. 1999. A survey of rabies in British Columbia, 1914-1998.. Proceedings of the Conference of Research Workers in Animal Disease. Chicago. Nov 7-9.
7. Stephen C. 1998 Bridging human health and farming through ecology. Canadian Society of Animal Scientists - Agriculture Institute of Canada Annual Meeting. Vancouver. July.
8. Stephen C. 1999. Epidemiological Musings on Whirling Disease (Abstract). 5th Annual Whirling Disease Symposium. Missoula.
9. Ribble CS, Stephen C. 1999. Linking climate and health through surveillance of animal populations. Capitalizing on Science: Climate Change Mitigation Efforts and Our Health. Climate Change Office of Health Canada. Ottawa. January

BOOKS AND BOOK CHAPTERS

1. Berezowski J, Carmo LP, Stephen C, Falzon LC. A Data–Information–Knowledge–Wisdom Framework for Solving Complex One Health Problems. In *Principles of One Health for a better planet 2024* Dec 31 (pp. 93-111). GB: CABI. Stephen C. (2024) One Health in Pandemic Planning, Prevention and Response, in *Clinical Laboratory Management*, 3rd Edition, Lynne S. Garcia et al ed. ASM Press
2. Stephen C, Duncan C (eds) (2022) *Climate Change and Animal Health* CRC Press
 - a. Authored/co-authored
 - i. Overview of climate change and health
 - ii. Climate change and the determinants of health
 - iii. Preparing for the unanticipated
 - iv. Climate change and animal health: The role for surveillance systems
 - v. Protecting animal health in our changing climate: Key messages
3. Stephen C. (ed) (2022) *Wildlife Population Health*. Springer Nature
 - a. Authored/co-authored 12 chapters.
 - i. What is wildlife health?
 - ii. Wildlife population health strategies
 - iii. Population health core competencies
 - iv. Causation in wildlife population health
 - v. Evidence-based decision making.
 - vi. Wildlife health surveillance and intelligence. Challenges and opportunities
 - vii. Climate change
 - viii. An emerging disease agenda for wildlife health management
 - ix. Working in a complex, wicked and messy world of wildlife health
 - x. Human dimensions of wildlife health management
 - xi. Bridging the knowing-to-doing gap in wildlife population health
 - xii. Preparing for the unexpected
4. Stephen C (ed) 2020. *Animals Health and Society; Health Promotion, Harm Reduction and Health Equity in a One Health World* CRC Press
 - a. Author /co-authored
 - i. The Call to Action
 - ii. Whose health?
 - iii. Health Equity in One Health
 - iv. Health promotion as a foundation for reciprocal care and collective action
 - v. Harm reduction for reciprocal care
 - vi. Building health surveillance for decision support at the animal, human, environment nexus
 - vii. Helping people make healthy decisions for themselves, animals, and nature

- viii. Expanding the concept of healthy public policy for animals, health, and society
 - ix. Bridging the knowing to doing gap to support One Health action
 - x. Complexity, chaos and systems thinking in health
 - xi. Healthy animals for sustainable livelihoods and poverty alleviation
5. Zinsstag J, Schelling E, Crump L, Whittaker M, Tanner K, Stephen C (eds) 2020. One Health: the theory and practice of integrated health approaches. CABI Press
 - a. Author of the following chapters
 - i. The Practice of One Health – Lessons Learned – C Stephen
 - ii. Climate Change- The Ultimate One Health Problem – C Stephen C Duncan, S.Pollock
 - iii. Academic and Institutional One Health capacity Building. – C Oura, K Conlon, W Smith, C Stephen, B Blakely, J Saint-Charles, M Clarke
 6. Oura C., Mahase-Gibson A., Stephen C eds. 2017. Caribbean Resilience and Prosperity Through One Health. University of West Indies Press. 112pp. ISBN: 978-976-620-293-4
 7. Stephen C (2016): Using One Health to benefit animals: the case of declining sockeye salmon pp160-175. In: One Health Case Studies, Addressing Complex Problems in a Changing World. Cork S, Hall D, Liljebjelke K, Eds. 5M Publishing, Ltd.
 8. *Wu J, Checkley S, *Westers T, Burns T, Stephen C. 2016. Shrimp farming in Sri Lanka: a case study of the interface of human, shrimp and environmental health. One Health Case Studies: Addressing Complex Problems in a Changing World Cork et al eds 5m Publishing
 9. Berry, P., Clarke, K., Fleury, M.D. Parker, S. and 12 authors including Stephen C: 2015. Human Health; in Canada in a Changing Climate: Sector Perspectives on Impacts and Adaptation, (ed.) F.J. Warren and D.S. Lemmen; Government of Canada, Ottawa, ON, p. 191-232.
 10. Stephen C, Waltner-Toews. 2014. Non-Governmental Organizations and One Health. In Zinsstag et al eds. One Health: The Theory and Practice of Integrated Health Approaches. CABI Boston
 11. Fèvre, S., Horwitz, P., Waltner-Toews, D., (eds) 2013 .Ecohealth Trainer Manual. Section authors: Edi Basuno, Khieu Borin, Erin Michelle Crocetti, Sonia Fèvre, Pierre Horwitz, Nguyen Thanh Huong, Jing Fang, Pongsri Maskhao, Suzanne McCullagh, Karen Morrison, Hung Nguyen-Viet, Craig Stephen, Céline Surette, Tran Thi Tuyet Hanh, Dinh Xuan Tung, Bob Williams, Iwan Willyanto Field Building Leadership Initiative. VWB/VSF: Canada
 12. Stitt T, *Pollock S, Schwantje H, Stephen C. Handbook of zoonotic diseases for hunters. Prepared for the province of British Columbia (Ministry of Environment and BC Centre for Disease Control)
 13. Stephen C, Nielsen O, Bellamy J. 2008. Veterinary Medicine. Encyclopedia of Life Support Systems. R. Hudson ed.
 14. Stephen, C. 1998. Field Investigation of Disease. Diseases of Netpen Reared Salmon. Eds. M.L. Kent and T. Poppe. UBC Press. Vancouver.

THESES

Stephen, C. 1995. A Field Investigation of Marine Anemia in Farmed Salmon in British Columbia. Ph.D. Thesis. University of Saskatchewan.

PRESENTATIONS

INVITED PRESENTATIONS

1. Stephen C. 2025. Keynote lecture. The need for disruptive thinking to confront the global polycrisis. International Symposium of the World Association of Veterinary Laboratory Diagnosticians
2. Stephen C. 2025. Lessons from the field for future readiness in an era of polycrisis. Inaugural Cornell K. Lisa Yang Center for Wildlife Health Honorary Lecturer.
3. Stephen C. 2025. The need for more CARs in wildlife health. Consequences, Action, Reverence. Inaugural Cornell K. Lisa Yang Center for Wildlife Health Honorary Lecturer
4. Stephen C. 2024. How much climate change must be in climate change education? 9th international conference of Faculty of Veterinary Medicine, Cairo University
5. Stephen C. 2024. Why building a network makes sense for wildlife health protection. Closing ceremony WOAHP twinning program, Mahidol University. Bangkok.

6. Stephen C. 2024. The wildlife health renaissance. Why now? Association of Fish and Wildlife Health agencies.
7. Stephen C. 2023. Climate change and aquatic animal health. Western Fish Diseases Conference
8. Stephen C. 2023. One Health- Friend or foe for conservation (Plenary). Missouri Natural Resources Conference.
9. Stephen C. 2022. Panelist – Climate change and emerging infectious diseases. COP 27. United Nations Climate Change Conference. Sharm El Sheikh
10. Stephen C. 2022. One Health for an uncertain future. (Keynote) Saskatchewan Epidemiology Association.
11. Stephen C. 2022. Climate Change and Health. A One Health Perspective. Annual Joint Environmental Public Health and Veterinary Public Health Conference. Jamaica
12. Stephen C. 2022. Future-readying wildlife health knowledge systems (Keynote). US Department of Interior wildlife health workshop. Virginia.
13. Stephen C. 2022. Situating ‘the environment’ in One Health. Health Science Forum. Ottawa
14. Stephen C. 2022. Climate change and animal health: the persistent pandemic. Canadian Council of Chief Veterinary Officers.
15. Stephen C. 2021. The urgency for implementation research in One Health. Veterinary Public Health Institute Webinar. Bern
16. Stephen C. 2021. Climate Change Action. The place for veterinary medicine. CVMA Annual Conference
17. Stephen C. 2021. Zoonoses and preparedness in the Anthropocene. START Lecture. AMMI Canada – CACMID Annual Conference April
18. Stephen C. 2021. Animal health and climate change – the need for an action agenda. Colorado State University Webinar. April.
19. Stephen C. 2021. One Health in the Anthropocene- A Call for Transformative Change. Erasmus Mundus International One Health Seminar. Feb
20. Stephen C. 2020. Wildlife Health in the Anthropocene. British Veterinary Zoological Society. Nov.
21. Stephen C. 2020. Pandemic preparedness in the Anthropocene. What does it mean? One Health joint conference of the Jamaican Veterinary Medical Association and the Caribbean College of Family Practice. Nov 1.
22. Stephen C. 2020. A Health Strategy for Climate Change. The Wildlife Society Annual Meeting. Sept
23. Stephen C. 2020. Unintended food security consequences for vulnerable and Indigenous communities. Food Insecurity Among Vulnerable Populations During COVID-19: USA-Canada Collaboration. Public Health Literacy Webinar. (virtual)
24. Stephen C. 2020. Health and the environment in the Anthropocene. Bates Memorial lecture. Cascadia 2020. Abbotsford.
25. Stephen C. 2020. Wildlife health surveillance and climate change. USGS Climate change and wildlife symposium. Madison.
26. Stephen C. 2019. Deep One Health. International Leptospirosis Conference. Vancouver
27. Stephen C. 2019. Embracing the reciprocal doctrine. A better place for the environment in health promotion. Planetary Health Research Group Seminar. Simon Fraser University. Jan.
28. Stephen C. 2018. Third Generation Public Health. Canadian Institute of Public Health Inspectors Conference. London
29. Stephen C. 2018. Climate change: Opportunities and needs for cross-sectoral action. BC Zoonoses Symposium. Abbotsford.
30. Stephen C. 2018. Can One Health Save the World. Keynote lecture. Centre for Public Health and Zoonoses Annual Meeting. Guelph
31. Stephen C. 2018. Conservation as a public health strategy for climate change preparedness. National Collaborating Centre for Environmental Health Webinar series. May.
32. Stephen C. 2018. One Health Observatories- Improving readiness for emerging environmental health threats. IDEXX Seminar Series. Portland, Maine. April
33. Stephen C. 2018. Making One Health an effective tool for action in the face of uncertainty and conflict. Maine One Health Working Group Seminars. Portland, Maine. April
34. Stephen C. 2018. Chronic Wasting Disease. A Canadian Perspective. European Union TAIEX Workshop. The Role of Wildlife in animal health management. Sofia. March 2018
35. Stephen C. 2018. Reciprocal Care of Wildlife and Human Health is a Critical Aspect of Climate Change Readiness. Stanford One Health 2018: Climate Change and Its Impact On Human and Animal Health. Stanford Univ May
36. Stephen C. 2018. Health, harm, pathogens and prevention: Preparing for an uncertain future. Pests, Pathogens and Invasive Species Symposium. Yellowknife. April
37. Stephen C. 2017. One Health – It’s not just for people. Caribbean Veterinary Medical Association Conference. Kingston. Nov
38. Stephen C. 2017. Harm reduction as a model for action in messy One Health problems. Caribbean Veterinary Medical Association Conference. Kingston. Nov
39. Stephen C. 2017. Is risk the right thing to focus on at the aquaculture-environment interface? BC Deputy Minister’s Finfish Advisory Council. Vancouver
40. Stephen C. 2017. Being an agent of change – An introduction to harm reduction. BC Deputy Minister’s Finfish Advisory Council. Vancouver
41. Stephen C. 2017. Surveillance of environmental signals to forecast emerging risks. Alaska/Canada One Health Working group webinar. Alaska Native Tribal Health Consortium

42. Stephen C. 2017. An introduction to the Canadian Wildlife Health Cooperative. Local Ecological Observatory Network webinar.
43. Stephen C. 2017. Nature as the foundation for health and sustainability. Faculty seminar. Faculty of Medical Sciences. University of West Indies. Port of Spain.
44. Stephen C. 2017. Communicating Climate Change: A Whole Earth Perspective. Webinar for the National Collaborating Centre for Infectious Disease and National Collaborating Centre for Environmental Health. March 8.
45. Stephen C. 2016. Wildlife Health 2.0: Adaptability or certainty. Wildlife Disease Association. (Plenary speaker). Cortland, New York
46. Stephen C. 2016. Innovation and update from the Canadian Wildlife Health Cooperative (CWHC). Canadian Animal Health Laboratorian Network Annual Conference. Charlottetown.
47. Stephen C. 2016. Health effects of sea level change in the north. Sea-Level Rise Summit: Connected Futures from Alaska to Florida. Fort Lauderdale. May.
48. Stephen C. 2016. One Health – a paradigm for health in the 21st century. Jamaica Veterinary Medical Association Annual Meetings. Kingston. May
49. Stephen C. 2016. Zoonotic warnings at the nature-society interface: Wildlife as strategic early warning for climate change. Adaptation 2016. Ottawa April.
50. Stephen C. 2015. A National Wildlife Health Strategy for Northern One Health Needs. ArcticNet. Vancouver. Dec
51. Stephen C. 2015. Avian influenza in Canada: 2015 and beyond. The Wildlife Society Conferences. Winnipeg. Oct.
52. Stephen C. 2015. Evolving aquatic health programs to meet emerging policy needs. The Wildlife Society Conferences. Winnipeg. Oct.
53. Stephen C. 2015. The role of non-governmental organizations in veterinary public health. Approches innovantes: Vers une meilleure gouvernance en santé publique vétérinaire. Troisième édition du Colloque en santé publique vétérinaire. Université de Montréal. August
54. Stephen C. 2015. Strategic early warning to overcome challenges in Canadian coastal ecosystem health. Plenary lecture. Wildlife Disease Association. Marochydore. July
55. Stephen C. 2015. Delivering Wildlife Health across Canada. International One Health Meeting. Amsterdam. March
56. Stephen C. 2014. The Case for a national wildlife health centre. One Health Forum Korea. Seoul
57. Stephen C. 2014. The case for a national wildlife health center. Seoul National University. Sept
58. Stephen C. 2014. Keynote lecture. Zoobiquity Conference. Seattle. Nov
59. Stephen C. 2014. Modernizing fish health protection. BC First Nations Fisheries Council Workshop of Fish health. Vancouver. Nov
60. Stephen C. 2014. Keynote lecture. Surprise and cumulative effects: The next epidemiologic challenge. Saskatchewan Epidemiology Association. Saskatoon. Oct.
61. Stephen C. 2014. Keynote lecture. One Health in times of unprecedented environmental change. Wildlife Disease Association. New Mexico. June.
62. Stephen C. 2014. The mythology of science-based decision making. Aquaculture Association of Canada. ST. Andrews NB. June
63. Stephen C. 2014. Keynote lecture. Surveillance for environmental nasty surprises in a complex messy world. International Conference on Animal Health Surveillance. La Havana. May
64. Stephen C. 2014. Reconciling the divorce between nature and humanity – An ocean's health perspective. North Island College Oceans Symposium. Ucluelet April.
65. Stephen C. 2014. The problem of too many problems: Is 'interproblemality' the next step in health and environment research. International Development Research Centre seminar series. Ottawa. April.
66. Stephen C. 2014. Why Nature Matters. Institute for Population and Public Health seminar series. University of Calgary. January
67. Stephen C. 2013. Multidisciplinary collaboration as an approach to finding new strategies for Japanese encephalitis management in Nepal. Zoonoses and emergence of infectious diseases: Biology meets anthropology. College de France. Paris. June
68. Stephen C. 2013. Risk assessment in a multiscalar, multi-stakeholder, uncertain real world. BC Salmon Farmers Association Workshop on Addressing the Recommendations of the Cohen Commission. Campbell River. May. 2013
69. Stephen C. A brief introduction to One Health. PAHO workshop on developing One Health capacity in the Caribbean. Port of Spain. March, 2013
70. Stephen C. 2013. Why the next generation of veterinarians needs to know the deep definition of One Health. Faculty Seminar. College of Veterinary Medicine and Biomedical Sciences. Colorado State University
71. Stephen C. 2013. Panel on One Health and Food Security. Prince Mahidol Award Conference- A world united against infectious diseases – Cross-sectoral solutions, Bangkok

72. Stephen C. 2012. Overview of actors involved in capacity development: Need for a multi-party approach. World Trade Organization Standards and Trade Development Facility Seminar of International Trade and Invasive Species. Geneva, Switzerland. July.
73. Stephen C. 2012. My five lessons in capacity development. Wildlife Disease Association Wildlife Health Capacity Pre-meeting Workshop. Lyon, France
74. Stephen C. 2012 One Health and wildlife health. Wildlife Society Annual meeting. Portland. Oct
75. Stephen C. 2012 What could the One Health perspective bring to public health? Public Health Agency of Canada webinar.
76. Stephen C. 2012. What could the One Health perspective bring to public health? Saskatchewan Veterinary Medical Association Annual Meeting. Saskatoon
77. Parkes M, Stephen C. 2012. Taking it Outdoors: Health, Ecology and Implications for BC Communities. BC Ministry of Health Seminar Series. Victoria. Nov.
78. Stephen C. 2012. Why the continuum of life matters for communicable disease threat assessment. Best Brains Symposium. Health Canada. Ottawa.
79. Stephen C. 2011. Ecohealth, public health and one health. 1st International One Health Conference. Melbourne
80. Stephen C. 2011. Global health and veterinary medicine. Student Canadian Veterinary Medicine Symposium. Calgary
81. Stephen C. 2011. Food Security and Health: Whose security and whose health? Vancouver Island University workshop on seafood security. Nanaimo. Nov.
82. Stephen C. 2011. Health promotion as an avenue to appropriate use of veterinary drugs. Antibiotic Awareness Week Webinar. National Collaborating Centre for Infectious Diseases. Oct
83. Stephen C. 2011. When Chicken Little Roasts Next Door: Assessing public health risks from animals. Canadian Institute of Public Health Inspectors Annual Meeting. Calgary. Oct
84. Stephen C. 2010. Policy implications of adopting a One Health agenda. Keynote lecture. National Policy Development and Awareness Workshop. China-Canada Livestock Health Extension Project. Beijing.
85. Stephen C. 2010. BC Zoonoses Annual Meeting: Ten years, now what? Plenary lecture. British Columbia Annual Zoonoses meeting. Langley.
86. Stephen C. 2010. Building and maintaining health research across disciplines and sectors: The challenges of crossing many cultures. International Chapter. Association of Project Management Professionals. International Webinar.
87. C.S. Ribble, T. Stitt, S. Iwasawa, L. Toews, C. Stephen, 2010. A Review of Alternative Practices to Antimicrobial Use for Disease Control in the Commercial Feedlot. Community-Acquired Antimicrobial Disease Resistance (caAMR) Consultation, National Collaborating Centre for Infectious Diseases, Winnipeg, Feb 10-11
88. Stephen C. 2010. Developing Research programs: Personal experiences and insights. Institute for Population and Public Health. CIHR.
89. Stephen C. 2010. Food production as a determinant of health. Second Annual Sheela Basrur Symposium. Toronto. Ontario Agency for Health Protection and Promotion
90. Stephen C. 2009. Risk, vulnerability or resilience. What do CWD managers want from risk assessments? PrioNet CWD workshop. Park City Utah
91. Stephen C. 2009. Veterinary public health on the ground floor. CVMA Leaders Forum. June. Montreal
92. Stephen C. 2009. Challenges in forecasting patterns of zoonotic disease in response to climate change. 26th International Conference on Chemotherapy and Infection. June. Toronto
93. Stephen C. 2009. Highly pathogenic avian influenza in Canada” A case example from British Columbia. Sri Lanka Veterinary Association Annual Meeting. March. Kandy
94. Stephen C. 2008. Animal health and public health: the past informs the future. Alberta Provincial Laboratory 100th Anniversary Symposium. Edmonton
95. Stephen C. 2008. Veterinary aspects of methicillin resistant *Staphylococcus aureus*. Seminars on Zoonotic Diseases. University of Peradeniya. July Peradeniya
96. Stephen C. 2008. Veterinary Medicine on the Edge: Looking at Health Problems across places, issues and species. SCVMA Annual Meeting. Guelph
97. Stephen C. 2008. How safe is safe: Grappling with the issues of wild sheep – farm sheep interactions. Bighorn Sheep Disease Workshop. Salt Lake City
98. Stephen C. 2008. Ecosystem health in a veterinary curriculum. Presentation to the University of Minnesota Ecosystem Health Working Group. St. Pau
99. Stephen C. 2007. Wildlife Health Management: Developing the “Colorado Charter”. Wildlife Disease Association Annual Meeting. Estes Park. Aug
100. Stephen C. 2007. Prediction, prevention and control of emerging diseases: The role of veterinary services. PHAC-PAHO Joint Meeting on Veterinary Public Health. Ottawa. May 2007.
101. Stephen C. 2007. Attributing cause and effect in free-ranging wildlife: Challenges and shifting approaches. Keynote lecture. Respiratory Disease in Mountain Sheep: Knowledge, Gaps and Future Research. Davis, California.

102. Stephen C. 2007. Panics, Pandemics and Poisons: Part 1-origins. Society for Northwestern Vertebrate Biology. Victoria (opening presentation)
103. Stephen C. 2007. Panics, Pandemics and Poisons: Part 2-solutions. Society for Northwestern Vertebrate Biology. Victoria (closing presentation)
104. Stephen C. 2007. Interprofessional health practice: From concept to reality. National Health Science Student Association Meeting. Saskatoon. Jan.
105. Stephen C. 2006. The place for community in aquaculture environmental impact research. Pacific Salmon Forum Workshop on Ecosystem Management of the Broughton Archipelago.
106. Stephen C. 2006. The health practice as a model for knowledge translation. Canadian Rural Health Research Society. 7th National Conference. Prince George
107. Stephen C. 2006. Curriculum considerations for veterinary public health training. University of Peradenya. Sri Lanka.
108. Stephen C. 2006. The potential contribution of veterinary public health to emerging disease preparedness in Canada. CFIA Western Regional Meeting. Burnaby
109. Stephen C. 2006. Ideals, Action, and Expectations. Planning the New Faculty of Veterinary Medicine. University of Calgary
110. Stephen C. 2006. Veterinary Public Health: Opportunities and Obstacles. UBC Health Care and Epidemiology Grand Rounds
111. Stephen C. 2005. Moderator and Panel Member. Symposium on Novel Approaches to Emerging Disease. Victoria
112. Stephen C. 2005. Centre for Coastal Health: A Veterinary Environmental Health Practice. Epidemiology Rounds, Ontario Veterinary College. University of Guelph
113. Stephen C. 2005. Aquatic and Marine Ecosystem: The Role of Veterinarians. University California (Davis) School of Veterinary Medicine Curriculum Planning Process.
114. Stephen C. 2004. Towards a One Health Model - Integrating Human and Animal Health. Grand Rounds. BC Centre for Disease Control.
115. Stephen C. 2004. Ecology and environmental health in public health. Visiting Scholar program - Studium Generalum. Peninsula College. Washington.
116. Stephen C. 2004. The role of ecology, the environment and ecosystem health in veterinary research. RG Thomson Lecture. University of PEI.
117. Stephen C. 2004. Emerging infectious diseases: What is the message? BC Health Educators Group.
118. Stephen C. 2004. Animal determinants of emerging infectious disease. UBC Infectious Disease Rounds.
119. Stephen C. 2003. In Search of the One Health Model: Commentary on Community Health in Clayoquot Sound. Clayoquot Symposium 2003: Citizen Science and Community Health. Tofino.
120. Stephen C. 2003. Emerging diseases panel. –Plenary speaker. BC Women’s and Children’s Hospital. Vancouver
121. Stephen C. 2003. Cryptococcosis on Vancouver Island. Mid-Island Veterinary Academy. Parksville.
122. Stephen C. 2003. Veterinary aspects of West Nile. Vancouver Island Health Authority (Nanaimo and Campbell River).
123. Stephen C. 2003. Are veterinarians leaders in animal health? Rausch Visiting Professor Plenary Presentation. Western College of Veterinary Medicine. Saskatoon.
124. Stephen C. 2003. Addressing the call for alternative careers in veterinary medicine. Rausch Visiting Professor Presentation. Western College of Veterinary Medicine. Saskatoon.
125. Stephen C. 2002. Challenges of interdisciplinary research. Health Canada Workshop on Climate Change and Infectious Diseases. Vancouver, BC.
126. Stephen 2001. Fish health management. Salmon farming and the Northcoast; Prince Rupert Aquaculture Forum. Prince Rupert BC.
127. Stephen C. 2001. Animals as indicators of public health risks: BC and historical examples. Symposium on zoonotic and communicable diseases. UBC Centre for Disease Control. Vancouver.
128. Ribble, C. MacCartney, J., Stephen, C. 2000. Epidemiological Principles for Disease Control. OIE International Workshop on Animal Disposal Alternatives. Winnipeg.
129. Stephen, C. 2000. Risk Management in Aquaculture. Canadian Food Inspection Agency National Science Forum. Parksville. BC.
130. Stephen, C. 1999. Moderator – Panel Discussion. Probiotic Solutions: Alternatives for Disease Control in Aquaculture Systems. Nanaimo.
131. Stephen, C. 1999. Session Chair. Needs and Opportunities in Fish Health Research. Aquaculture Canada. Victoria
132. Stephen C. 1999. Integrating Human and Animal Health. Health Transition Program Workshop. Health Canada. Toronto.
133. Stephen C. 1999. Community Health Impacts of Forestry - Panel Member. Galiano Nature Conservancy Conference. Galiano Island.
134. Stephen C. 1999. Epidemiological musing on Whirling Disease. Plenary Session. Whirling Disease Symposium. Missoula, Montana.
135. Ribble CS, Stephen C. 1999. Linking climate and health through surveillance of animal populations. Capitalizing on Science: Climate Change Mitigation Efforts and Our Health. Climate Change Office of Health Canada. Ottawa.
136. Stephen C. 1998 Surveillance in an era of HACCP. Canadian Food Inspection Agency - Meat Section. New Westminster.

137. Stephen C. 1997. Moderator - Plenary Session. Food Safety-Myth or Science? Canadian Veterinary Medical Association Annual Meeting. Saskatoon.
138. Stephen, C. 1997. Panel Member - Impacts of pathogens on natural populations. Pathogens and Diseases of Fish in Aquatic Ecosystems. Portland.
139. Aramini J, Stephen C . 1997. Pathogenic protozoa in the Greater Victoria water supply area. Capital Regional District - Environmental Health Officer Meeting.
140. Stephen C. 1997. The birth, death and re-birth of plagues: Emerging disease ecology. Agriculture and Agri-Food Canada Regional Veterinarians Meeting. New Westminster.
141. Stephen C. 1996. Developing an environmental ethic for public health. Health Care and Epidemiology Rounds.
142. Stephen C. 1996. Public health, cryptosporidium and range management. Annual Meeting of Range Managers. Penticton.
143. Stephen C. 1996. Risk Assessment One-Day Workshop for the Federal-Provincial Transplant Committee. Vancouver.
144. Stephen C. 1996. Emerging diseases: Real threat or good grantmanship? B.C. Parasitologists Annual Meeting. Simon Fraser University.
145. Stephen C. 1996. Assessing the risk of hantavirus pulmonary syndrome in B.C. Disease Working Group. Simon Fraser University.
146. Stephen C. 1996. Veterinary medicine and emerging diseases. Agriculture and Agri-Food Canada. Abbotsford.
147. Stephen C. 1996. Emerging disease biology. Burnaby Health Dept. - Environmental Health Officer Meeting. Burnaby.
148. Stephen C. 1996. Clinical epidemiology in veterinary practice. Vancouver Veterinary Academy. Burnaby.
149. Stephen C. 1995. Zoonotic diseases in British Columbia - Pediatric Grand Rounds. B.C. Children's Hospital. Vancouver.
150. Stephen C. 1995. Emerging disease issues; Hantavirus and cryptosporidiosis. Regional Environmental Health Officers Meeting. Kamloops.
151. Stephen C. 1989. Health Management of Farmed Deer. Ministry of Agriculture Fisheries and Food workshop. Nanaimo.

CONFERENCE PRESENTATIONS

1. Wilcox, A. A. E., Provencher, J. F., Stephen, C., Morrill, A., and Sine, A. 2025. A One Health Approach for Wildlife Conservation: Bridging Wood Bison Health and Contaminants. The Wildlife Society 32nd Annual Meeting, Edmonton, AB, 5-9 October 2025.
2. Kern-Alley C, Cromie R, Stephen C. Applying a Continuum of Care Framework to Convention on Migratory Species Resolutions: Strategic Opportunities for Wildlife Health Management. Wildlife Disease Association Annual Conference. Victoria.
3. Walzer C, Stephen C. 2025. Continuum of Care as a Unifying Framework for Intergenerational and Interspecies Health Equity. Society for Conservation Biology's (SCB) 32nd International Congress for Conservation Biology. Brisbane.
4. Stephen C, Walzer C, Ó Críodáin C, Knauf S. 2024. A framework to implement evidence-based interventions to reduce health risks in the wildlife trade. European Wildlife Disease Association. (Sept).
5. Pradel J, Coursaut L, Stephen C. 2024. ONE HEALTH IN ACTION": CaribGREEN - fostering collaborations on agro-ecosystems' health in the Caribbean. Jamaica Veterinary Medical Association - Caribbean Family Physicians-Jamaica One Health Conference 2024.
6. White CL, Richards B, Gillin C, Lenocho J, Ruder M, Schuler K, Stephen C, Verant M. 2023. Can we transition to actionable intelligence that promotes wildlife health? The Wildlife Society Annual Conference. Louisville, Kentucky
7. White CL, Richards B, Gillin C, Lenocho J, Ruder M, Schuler K, Stephen C, Verant M. 2023. Can we transition to actionable intelligence that promotes wildlife health? Wildlife Disease Association Annual Conference. Athens, Georgia
8. Haman K, Mannas J, Ellis J, Greening S, Stephen C. 2023. Why (permitted) Wildlife Rehabilitators are Critical Contributors to a Wildlife Health Continuum of Care. Wildlife Disease Association Annual Conference. Athens, Georgia
9. Provencher J, Wilcox S, Sine S, Stephen C. 2022. One Health and wildlife conservation: Insights from wood bison and beyond. Wildlife Disease Association Annual Conference. Madison.
10. Oura C, Stephen C. 2021. Developing networks of Caribbean Leaders / Agents of Change in Climate Change and Health. Climate change and health in small island developing states – Focus on the Caribbean, Oct
11. Stephen C,* Carmo LP, *Valle D, *Fricker B, Sousac FM, Vidondoc B, Berezowski J. 2021. Rapid review of evidence on managing risk of disease emergence in the wildlife trade. WDA Annual meeting. Spain.
12. Stephen C 2020. Re-imaging nature-based solutions in pandemic times. Annual BC Zoonoses and One Health Meeting
13. *Wittrock J, Stephen C. 2020. Determinants of health model for wildlife. A Health Strategy for Climate Change. The Wildlife Society Annual Meeting. Sept
14. Stephen C. Zimmer P. 2019. Is there a due diligence standard for wildlife health surveillance. 68th International Wildlife Disease Association Conference. Lake Tahoe
15. Stephen C. 2019. The Pan-Canadian Approach to Wildlife Health. 68th International Wildlife Disease Association Conference. Lake Tahoe

16. Sleeman J, Richgels K, White L, Stephen C. 2019 Integration of Wildlife and Environmental Health into a One Health Approach. 68th International Wildlife Disease Association Conference. Lake Tahoe
17. Richgels K, White L, Stephen C, Sleeman J. (2019) Shifting the paradigm from wildlife disease to wildlife health. 17th Ecology and Evolution of Infectious Diseases. Princeton
18. Pollock S, Stephen C. 2019. Fostering climate change health equity through local public health action. 23rd IUHPE World Conference on Health Promotion, April, Rotorua
19. Ryser-Degiorgis M-P, Sleeman J, Nguyen N, Zimmer P, Duff P, Gavier-Widén D, Grillo T, Lee H, Rijks J, Tana T, Uhart M, Stephen C. (2018) Review of requirements of a wildlife health surveillance programme. 8th Meeting of the EWDA Network for Wildlife Health Surveillance in Europe. Larissa, Greece,
20. Stephen C. 2018. Harm reduction as a strategy for action in the face of uncertainty and conflict. Wildlife Disease Association Annual Meetings. St. Augustine.
21. Stephen C, *Wittrock J. (2018). Adapting the determinants of health perspectives to developing and implementing integrated priorities to address social and ecological expectations for fisheries and community health. 5th International One Health Congress. Saskatoon. June.
22. Stephen C, *Gallagher C. (2018). Harm reduction: A strategy for One Health action in the face of uncertainty and conflict. 5th International One Health Congress. Saskatoon. June.
23. Stephen C, Duncan C, *Wittrock J, Wade J. (2018) Wildlife influences on the social determinants of health - key to climate change preparedness. 5th International One Health Congress. Saskatoon. June. (Poster)
24. Mahase-Gibson A. Oura C, Vokatky A, Stephen C. (2018) Making One Health Operational: The barriers to change and glimmers of hope. 5th International One Health Congress. Saskatoon. June. (Poster)
25. Oura C, Vokatky A, Mahasa-Gibson A, Stephen C. (2108) Making One Health operational within the Caribbean Region. 5th International One Health Congress. Saskatoon. June.
26. Stephen C. 2018. Harm reduction as an approach out of stagnation in wildlife health management. Interdisciplinary Approaches to Managing Health of Fish and Wildlife. Columbia Mountains Institute of Applied Ecology. Kimberly. May.
27. Grillo T and 13 others. 2017. Designing Evidence-based National Wildlife Health Programs (NWHP): An Integral Part of the One Health Approach. Wildlife Disease Association. San Cristobal de las Casas, Chiapas, Mexico.
28. *Ye, L, Robertson C, Stephen C, Parmley J. 2017. Does traditional wildlife disease data allow for spatial analysis in Ontario, Canada. Canadian Association of geographers Conference. Toronto
29. *Bachand, N.G. Gilbert, S. Olpinski, A. Ravel, P., Leighton, C. Stephen, A. Iqbal, M. Ndao and E. Jenkins. Detection and Quantification of *Toxoplasma gondii* in Tissues of Wildlife Harvested in the Arctic. International Conference of the World Association for the Advancement of Veterinary Parasitology, Sept 4-8, 2017
30. Cruz-Martinez L, Stephen C. 2016. Action based research for wildlife health: Adapting public health frameworks for change. One Health Ecohealth 2016. Melbourne (poster)
31. *Pushpakumura N, Dangola A, Stephen C.; 2016. Challenges and opportunities in wildlife disease surveillance for zoonotic disease control in Sri Lanka. One Health Ecohealth 2016. Melbourne
32. Jenkins E, Schurer J, Simon A, *Bachand N, Stephen C. 2016. One Health in the Canadian North—priorities, perceptions, and programs. 16th Int Conf on Circumpolar Health. Oulu
33. *Bachand N, Dixon B, Gilbert G, Leighton P, Olpinski S, Ravel A, Stephen C, Jenkins E. 2016. *Toxoplasma gondii* at the Inuit-wildlife interface in Nunavik, eastern Canada. ArcticNet Annual Scientific Meeting. Winnipeg
34. Duff P, Stephen C, and 12 others. 2016. Workshop on evidence-based design of national wildlife health programmes. European Wildlife Disease Association Network for Wildlife Health Surveillance in Europe. 6th Annual Meeting. Berlin.
35. *Wittrock JAM, Elkin B, Stephen C. 2016. Adapting the concept of human determinants of health to caribou to inform health management. The 16th North American Caribou Workshop. Thunder Bay, Ontario.
36. *Sinclair D. Stephen C, Parmley J, Jones-Bitton A, Wittrock J, Jardine C. 2016. Defining and measuring wildlife health based on twenty years of literature. Wildlife Disease Association 65th Annual International Conference. Cortland, New York. (poster)
37. *Yee L, Robertson C, Stephen C, Parmley J. 2016. Does traditional wildlife disease data allow for spatial analysis in Ontario, Canada: limits and opportunities? Wildlife Disease Association 65th Annual International Conference. Cortland, New York. (poster)
38. *Wittrock JAM, Elkin B, Duncan C, Stephen C. 2016. Adapting cumulative effects perspective and human determinants of health to inform wildlife health management. Wildlife Disease Association 65th Annual International Conference. Cortland, New York. (poster)
39. Black S, Dunigan P, Zhou, Ferguson S, Stephen C, Wynn-Edwards K. 2015. Blubber cortisol time series (1982-2013) as a means of assessing population health in narwhal as one element of a multifaceted index to predict resilience to climatic, economic and social change: method development and preliminary results. Society for Marine Mammology. San Francisco
40. Belanger D and 26 others. 2015 Wildlife diseases important for human health and food safety in the changing environment of the Eastern Subarctic. ArcticNet. Vancouver (poster)

41. *Bachand, N Dixon Leighton P, Olpinski S, Ravel A, Simad M, Stephen C, Jenkins E. 2015. Toxoplasma in wildlife traditionally consumed in Nunavik, Canada. ArcticNet. Vancouver (poster)
42. *Wittrock, J, Stephen C. 2015. Theoretical basis for integrating wildlife health and cumulative effects by identification and inclusion of external factors impacting health. The Wildlife Society Conference. Winnipeg. Oct. (poster)
43. *Black S, Boisvert R, Wynne-Edwards K, Cattet M, Janz D, Goldstein T, Ferguson S, Stephen C, Raverty S, Duigan P. 2015. Developing a population health index for an apex marine Arctic predator, the narwhal (*Monodon Monoceros*). Poster. Wildlife Disease Association. Amrochydore. July.
44. Park A, Stephen C. 2014. Canada's response to White Nose Syndrome: Plans, Infrastructure, Action. 7th Annual White Nose Syndrome Workshop. St. Louis. Sept.
45. Vokaty A, Oura C, Stephen C, Lazaus C. 2015. One Health, One Caribbean, One Love: Developing One Health leaders in the Caribbean. International One Health Meeting. Amsterdam. March (Poster)
46. Stephen 2014. Surprise as the foundational concept for emerging infectious disease. Ecohealth. August. Montreal
47. Chung J, Lynn T, Anelli J, Kamanzi J, Stephen C, Pelican K. 2013. Fostering greater cross-agency collaboration to improve one health in Minnesota. 141st APHA Annual Meeting and Exposition. Boston Nov.
48. DeJager T, Stephen C, Sandaruwan P, Anderson K, *Burns T, Jayasinghe JMPK. 2013. Clusters and connections: Improving adoption of better management practices in Sri Lanka's aquaculture industry. World Aquaculture Society 2012. September, Prague.
49. *Anholt M., Stephen C. 2013 The Use of Informatics to Describe Patterns of Antimicrobial Use by Companion Animal Veterinarians. [Poster]. Canadian Association of Veterinary Epidemiology and Preventive Medicine. Saskatoon. Won best poster.
50. *Wu JP, Checkley S, *Westers T, DeJager T, Daniel S, Stephen C. 2013. Aquaculture, food security, and gender roles in Sri Lanka [Poster]. International Society for Veterinary Epidemiology and Economics. Maastricht. Aug
51. *Westers T, Ribble C, Wu J, Stephen C. 2013. Developing indices for identifying obstacles to achieving sustainability on smallholder Sri Lankan shrimp farms [poster]. International Society for Veterinary Epidemiology and Economics. Maastricht. Aug
52. *Westers T, Ribble C, Jayasinghe JMPK., *Wu J, Sears W, Stephen C. 2013. Identifying Best Management Practices Associated with Reduced White Spot Disease Prevalence on Smallholder Shrimp Farms in Sri Lanka. 13th International Society for Veterinary Epidemiology and Economics (ISVEE) Conference 2012, Aug 20-24, Maastricht, the Netherlands.
53. *Anholt M., Jamal I., Berezowski J., Stephen C. 2013. The Usefulness of Mining Free-Text Companion Animal Medical Records for Surveillance. International Symposium of Veterinary Epidemiology and Economics. Maastricht, Aug
54. *L Vrbova, C Stephen, M Koehoorn, D Patrick. 2012. Detection of Emerging Infectious Disease Trends and Clusters in Animal Laboratory Data for Public Health Surveillance. 25th Pečenka's Epidemiological Days, Society for Microbiology and Epidemiology of the Czech Medical Association September, Harrachov, Czech Republic.
55. *L Vrbova, C Stephen, M Koehoorn, D Patrick. 2012. Animal health surveillance using sentinel veterinarians: A public health perspective on a pilot project. 25th Pečenka's Epidemiological Days, Society for Microbiology and Epidemiology of the Czech Medical Association September, Harrachov, Czech Republic. [Poster]
56. *L Vrbova, C Stephen, M Koehoorn, D Patrick. 2012. Utility of algorithms in the analysis of multi-species Salmonella surveillance data in British Columbia, Canada. 25th Pečenka's Epidemiological Days, Society for Microbiology and Epidemiology of the Czech Medical Association September, Harrachov, Czech Republic. [Poster]
57. Dawson J, Wade J, Stephen C. 2012. Policy and legislation gap assessment for sustainable development of freshwater ornamental fish aquaculture in Sri Lanka. Aquaculture Association of Canada. May 2012 Charlottetown.
58. *Burns T, Wade J, Stephen C. 2012. Aquaculture as a global health tool: Positive human development outcomes associated with aquaculture. Aquaculture Association of Canada. May 2012 Charlottetown.
59. Stephen C. 2012. Implications of our inability to conduct risk assessments for wild salmon health. Wildlife Disease Association. Lyon, France
60. *Anholt, M., Berezowski, J., Stephen C. 2011. Mining Free-Text Medical Records for Pet Disease Surveillance. Canadian Association of Veterinary Epidemiology and Preventive Medicine, St. Hyacinthe, QC. (best presentation award). May
61. *Sawford K, *Robertson C, Gunawardana W, Stephen, C. (2011) Building emerging infectious disease intelligence in low-middle income countries: the potential role for mobile phoned-based surveillance systems. International Conference on Animal Health Surveillance. May 17-20, Lyon, France.
62. Valeix S, Lokugalappatti LGS, Abeyanake P, Prasad T, Chandrasiri ADN, Daniel SLA, Stephen C, Leighton FA. (2011). A feasibility study for establishment of a national wildlife health centre in Sri Lanka. [poster] OIE Global Conference on Wildlife: Animal Health and Biodiversity – Preparing for the future. Paris. 23-25 February 2011.
63. *Vrbova, L., Pollock, S., Anholt, M., Sawford, K., Stephen, C. (2010). From the bench to public health practice and policy. Symposium on the Infectomics of Influenza A Virus. Vancouver, BC, Canada.
64. Forde M, Stephen C. 2010. An assessment methodology linking health equity and climate adaptation issues in coastal areas at a community level. 2010 Caribbean Academy of Science Conference. Antigua.

65. *Pollock S, *Vrbova L, *Anholt M, Stephen C. 2010. Observations and opinions on the integration of public health and veterinary medicine: Human dimensions. International Conference on Emerging Infectious Diseases. Atlanta. (poster)
66. *Vrbova L, Stephen C, Patrick D. 2010. Sentinel animal health surveillance for public health. International Conference on Emerging Infectious Diseases. Atlanta.
67. *Salb A, Ribble C, Elkin B, Stephen C. 2010. Weather as a predictor of anthrax outbreaks in wild wood bison. Wildlife Disease Association. Argentina.
68. *Anholt, M., Stephen, C. 2010. Detecting Sentinel Events from Companion Animals for Emerging Public Health Risks. John Water's Zoonotic Conference, Calgary, Nov.
69. *Robertson, C., *Sawford, K., Stephen, C., Daniel, S.L.A., and Nelson, T.A. (2009) Infectious Disease Surveillance and Analysis – Sri Lanka. [poster] GEOMED 2009. November 14-16, Charleston, SC.
70. *Dawson-Coates J, Stephen C, Dale A. 2009. Policy in support of sustainable ornamental fish farming in Sri Lanka. Aquaculture Canada. Nanaimo (poster)
71. *Munasinghe N, Abeynayake P, Abeygunawardena I, Stephen C. 2009. Health management practices for prawn farmers in Sri Lanka. Aquaculture Canada. Nanaimo (poster)
72. Stephen C, *Sawford K. 2008 Post-tsunami in Sri Lanka: Rebuilding for the long term. 29th World Veterinary Congress. Vancouver, July 27-31, 2008.
73. *Pollock, S, *Anholt M, Stephen C. 2008. Linking Animal and Human Health Data: Needs, Gaps and Capacity 29th World Veterinary Congress, Vancouver, July 27-31.
74. *Vrbova L, Stephen C, Kasman N, Boehnke R, Doyle-Waters M, Gibson B, Chablitt-Clark A, Fitzgerald M, Patrick D. Systematic Review of Surveillance Systems for Emerging Zoonotic Diseases. 2008 International Conference on Emerging Infectious Diseases, 2008, Atlanta, March 16-19
75. *Vrbova L, Stephen C, Kasman N, Boehnke R, Doyle-Waters M, Gibson B, Chablitt-Clark A, Fitzgerald M, Patrick D. Surveillance Systems for Emerging Infectious Diseases: Definitions of Surveillance and Evaluation. Association of Medical Microbiology and Infectious Disease Canada and the Canadian Association for Clinical Microbiology and Infectious Diseases (AMMI-CACMID) Conference 2008, Vancouver, Feb 27-March 1, 2008.
76. *Pollock S, Stitt T, Stephen C. 2007. An ecologic perspective on patient history: an approach to the diagnosis of zoonotic disease. BC Public Health Association Meeting (Poster).
77. *Duncan C, Stephen C, Campbell J. 2006. The contribution of veterinary data to the investigation of the emergence of *Cryptococcus gattii* in Canada. International Society for Veterinary Epidemiology and Economics. Cairns, Australia.
78. Galanis E, MacDougall L, Kidd S, *Duncan C, Mithani S, Mak S, Stephen C, Bartlett K. 2006. Investigation of the emergence and spread of *Cryptococcus gattii* in BC: A collaboration between public health and academic professionals. 97th Annual Conference - Canadian Public Health Association
79. Buck, P, Stephen C. 2006 Veterinary Public Health as an Educational and Regulatory Priority. Canadian Public Health Association. Ottawa.
80. Ribble CS, *McLaws M, Stephen C, Dubé, C. 2005. Diseases without Borders: Research on the Early Detection of Emerging Zoonotic and Foreign Animal Diseases. Western College of Veterinary Medicine 40th Anniversary Plenary Session, June 10.
81. Stephen C. 2005. Coping with emerging diseases: Prediction, prevention and education. Canadian Veterinary Medical Association Annual Scientific Meeting. Victoria
82. Stephen C. 2005. The origins of emerging diseases. Canadian Veterinary Medical Association Annual Scientific Meeting. Victoria
83. Stephen C. 2005. Emerging zoonoses and the private practitioner. Canadian Veterinary Medical Association Annual Scientific Meeting. Victoria
84. Stephen C. 2005. Aquaculture, veterinarians and environmental health. International Association of Aquatic Animal Medicine Annual Conference. Seward Alaska.
85. Stephen C. 2005. Animals as sentinels and indicators of public health risk. Beyond Mold: Understanding & Evaluating Bioaerosols. Vancouver.
86. Van Hamm K, Stephen C, Kempe R, Suggitt H. 2004. Determining Dioxins in Beef from Biosolids-Fertilized Fields in Beautiful BC. Northwest Biosolids Management Association Meeting Sept. Welches Oregon.
87. Stephen C. 2004. Health management: The foundation for international trade. Pacific Aquaculture Conference. Campbell River
88. Mak S, *Duncan C, Fyfe M, Bartlett K, Stephen C. 2004. The use of GIS in the investigation of an outbreak of cryptosporidiosis in British Columbia. Conference on GIS in Veterinary Medicine. Guelph.
89. *Duncan C, Bartlett K, Stephen C. 2003. Descriptive epidemiology of a multispecies outbreak of *Cryptococcus gattii* on Vancouver Island. International Society for Veterinary Epidemiology and Economics. Santiago, Chile.
90. *Duncan C, Stephen C. 2003. Update on *C. gattii* outbreak: Veterinary aspects. BC Zoonoses Group Annual Meeting. Vancouver
91. Stephen C, *Plamondon N. 2003. Survey for West Nile Vectors on Vancouver Island. BC Zoonoses Group Annual Meeting. Vancouver

92. Stephen C,* Plamondon N. 2003. Survey for West Nile Vectors on Vancouver Island. BC Parasitologist Meeting. Nanaimo
93. Raverty S, Stephen C, Fyfe M, Bartlett K. 2003. Cryptococcosis in marine mammals. 3rd International Conference of the Cryptococcus Genome. Vancouver.
94. *Duncan C, Lester S, Bartlett K, Fyfe M, Stephen C. 2003. Non-human animal aspects of a multispecies outbreak of Cryptococcus. 3rd International Conference of the Cryptococcus genome. Vancouver.
95. Raverty S, Stephen C, Fyfe M, McDougall L. Cryptococcosis due to *Cryptococcus neoformans gattii* in stranded Harbor and Dall's porpoises in the Pacific Northwest. American College of Veterinary Pathology Annual Meeting. June. 2003.
96. Saksida, S., Jones, S., Karreman, G. A., and C. Stephen. *Kudoa thyrsites* in Atlantic salmon: an industry wide study to generate testable hypotheses (part 1). Western Fish Disease Conference. Seattle, July 2003.
97. Karreman, G. A., Saksida, S., Jones, S and C. Stephen. *Kudoa thyrsites* in Atlantic salmon: an industry wide study to generate testable hypotheses (part 2). Western Fish Disease Conference. Seattle, July 2003.
98. Mann, ED, Irwin, R, Dore, K, Dutil, L, Kellar, J, Read, S, Muckle, A, Pollari, F, Stephen, C, Middleton, A. 2003. Surveillance of exposure – an integrated enteric pathogen surveillance program (IEPS). 4th International Conference on Emerging Zoonoses. Ames.
99. Raverty, S, Stephen, C. 2002. Brucella antibodies in marine mammals in British Columbia. 57th International Conference on Diseases in Nature Communicable to Man. Vancouver August 10-13.
100. Fyfe M, MacDougall L, Bartlett K, Romney M, Starr M, Pearce M, Stephen C et al. 2002. Cryptococcus conundrum: Why is a tropical environmental fungus causing disease on Vancouver Island, Canada. 57th International Conference on Diseases in Nature Communicable to Man. Vancouver August 10-13.
101. Stephen C, Raverty S, Lester S, Black W, Fyfe M. 2002. Multi-species outbreak of cryptococcosis on Southern Vancouver Island. 57th International Conference on Diseases in Nature Communicable to Man. Vancouver August 10-13.
102. Stephen C, Ribble CS. 2002. Death, Disease and Deformity: Outbreaks of animal disease as sentinels for emerging human health risks. 57th International Conference on Diseases in Nature Communicable to Man. Vancouver August 10-13.
103. Sifton E, Stephen C, Bowie W, Wetzstein M. 2002. Summary of animal antimicrobial use in British Columbia. 57th International Conference on Diseases in Nature Communicable to man. Vancouver August 10-13.
104. Black WA, Patrick DM, Starr M, Fyfe M, Romney M, Stephen C, et al. 2002. A unique outbreak on Vancouver Island, Canada due to *Cryptococcus neoformans* var. *gatti* – a “new pathogen. Instituto Nacional de Enfermedades Respiratorias. Mazatlan. April 2-5.
105. Stephen C, Sifton E, Sheppard, M. 2001. Health Management Codes of Practice: Lessons learned. Western Fish Disease Conference. June. Victoria, BC.
106. *Adams, V.J., Ribble, C.S., Stephen, C.S., Schwantje, H. 1999. Risk of transmission of rabies from raccoons and coyotes to humans in British Columbia. Conference of Research Workers in Animal Disease. Chicago. Nov 7-9.
107. *Adams V.J., Ribble, C.S., Stephen, C.S., Schwantje, H. 1999. A survey of rabies in British Columbia, 1914-1998. Conference of Research Workers in Animal Disease. Chicago. Nov 7-9.
108. Stephen C. 1999. Applying risk assessment to fish health community and management. ICES Symposium on the Environmental Effects of Mariculture. Sept 13-17. St. Andrews NB.
109. *St. Hilarie, S., Stephen, C., Kent, M., Ribble, C.S. 1999. Sentinels in a bay: A model for assessing disease transmission in fish. ICES Symposium on the Environmental Effects of Mariculture. Sept 13-17. St. Andrews NB.
110. Lange H. Stephen C. 1999. A survey for Johnes disease (*Mycobacterium paratuberculosis*) in BC dairy cattle. Western Canadian Bovine Practitioners. Abbotsford.
111. *Adams V, Stephen C, Schwantje H, Ribble C. 1998. Risks of rabies emergence in coyotes and raccoons in British Columbia. 53rd International Conference on Diseases in Nature Communicable to Man. Edmonton. August.
112. Stephen C. 1998. Bridging human health and farming through ecology. International Symposium of Human Health and Agriculture in International Development. Canadian Society of Animal Scientists - Agriculture Institute of Canada Annual Meeting. Vancouver. July.
113. Stephen C. 1998. The role of disease in the ecology of wildlife populations. Environmental contaminants and marine mammal health: Research applications workshop. Institute of Ocean Sciences. Victoria April 17-19.
114. Stephen C. 1998. Ecosystem health and its relationship to aquaculture management. Aquatech'98. Vancouver. March 8.
115. Scimeca JM, McGinnis M, Stephen C, Young S. 1998. Bilateral Panophthalmitis in the Giant Pacific Octopus. International Association for Aquatic Animal Medicine. 29th Conference. San Diego.
116. Stephen C, Aramini, J. 1997. Pathogenic protozoa in the Victoria water supply area. B.C. Parasitologists Fall Meeting. Simon Fraser University. Nov.7.
117. Leighton B, Hui L, Stephen C, Boom JDG, Smith M, Hartwick EB. 1997. Seastar epizootic on the British Columbia coast. (Poster) B.C. Parasitologists Fall Meeting. Simon Fraser University. Nov.7.
118. Stephen C. 1997. A potpourri of B.C. wildlife issues. Western Canadian Wildlife Disease Workshop. Saskatoon. March 3-4.
119. Stephen, C., Banerjee, S., Martin, M., Daly, P. 1996. Rabies in Canada with special reference to British Columbia. International Conference on Diseases in Nature Communicable to Man. Calgary. Aug.11-14.

120. Harding, L., Elliot, J., Stephen, C. 1996. Contaminant and biological measurements in mink (*Mustela vison*) and river otter (*Lontra canadensis*). DIOXINS'96. Amsterdam. Aug.
121. Harding, L., Stephen, C., Elliot, J. 1996. Effects of pulp mill contaminants on aquatic-based wildlife. 3rd D.O.E. Fraser River Action Plan Workshop. Vancouver, Feb. 20-22.
122. Doyle, P., Mathias, R., Stephen, C., Huen, C. 1995. Development of cost-effective diagnostic algorithm for alpha fetoprotein testing in high risk HBsAg positive patients Conjoint Meeting on Infectious Diseases. Winnipeg. Nov.15.
123. Stephen, C., Daly, P., Martin, M. 1995. Public health response to suspected rabies exposure in British Columbia (1989-1994). 6th International Meeting on Research in Rabies Control in the Americas. Merida, Mexico. Oct.24-27. (Presented by B.Black).
124. Stephen, C. 1995. Medical ecology and emerging diseases. Canadian Institute of Public Health Inspectors Annual Meeting. Victoria. Sept. 25-28.
125. Banerjee, S.N., Artsob, H., Dick, D., Werker, D., Hjelle, B., Stephen, C., Middleton, P. 1995. Hantavirus studies in British Columbia, Canada. International Conference on Diseases in Nature Communicable to Man. Calgary. August 25.
126. Stephen, C. 1995. A potpourri of current zoonoses topics in British Columbia. Canadian Veterinary Medical Association Annual Meeting. Victoria. July 12-15.
127. Stephen, C. 1995. What is medical ecology? Canadian Association of Veterinary Epidemiology and Preventive Medicine. Victoria. July 16.
128. Stephen, C., Banerjee, Fernando, K., Coffey, S., Dong, D. 1995. A serosurvey for canine *Borrelia* infections in British Columbia (Poster). 8th International Annual Conference on Lyme Borreliosis. Vancouver. Apr. 28-29.
129. Stephen, C. 1995. Interpreting the risk of hantavirus infection in B.C. Professional Pest Management Association of B.C. Annual Meeting. Simon Fraser University. Feb. 16.
130. Stephen, C. 1993. Investigating mortality in seapens. Canadian Veterinary Medical Association. Edmonton. July 8-10.
131. Stephen, C., Ribble, C. 1993. Determining the pattern of mortality in salmon netpens. Western Fish Disease Conference. Port Ludlow, Wash. June 16.
132. Stephen, C., Burger, A. 1993. Mortality survey of beached birds in British Columbia. Western Wildlife Disease Workshop. Saskatoon. Feb. 22-23.
133. Stephen C., Kent, M. 1993. Hepatic megalocytosis in chinook salmon. Western Wildlife Disease Workshop. Saskatoon. Feb. 22-23.
134. Stephen, C., Ribble, R. 1992. Epidemiology of plasmacytoid leukemia (marine anemia): An update. Marine Anemia Workshop. Pacific Biological Station, Nanaimo. June 12.
135. Stephen, C., Kent, M. 1992. Hepatic megalocytosis in chinook salmon. Western Fish Disease Conference. Parksville, B.C. June 15.

PUBLIC PRESENTATIONS

1. Stephen C 2014. Being a fish health guardian at times of unprecedented environmental change. BC Fly Fishing Foundation Annual general meeting. Courtenay. May, 2014
2. Stephen C. 2014. Re-imaging Salmon Health. Raincoast Education Seminar Series. Tofino
3. Stephen C. Cross-Sectoral Approaches to Infectious Disease From Nanaimo to Nepal. Science and Technology Lecture Series. Vancouver Island University. Feb 2013.
4. Expert panel on swine influenza. May 2009. Liu Institute for Global Studies. University of British Columbia.
5. Science Café – Food Security. Calgary Feb 2009. Sponsored by the CIHR –IPPH and the University of Calgary.
6. Stephen C. 1999. Defining Ecosystem Health for the Georgia Basin. Malaspina University-College Public Science Lecture. Nanaimo

MEDIA

Regular contribution to media stories on zoonotic diseases and diseases of fish and wildlife including television documentaries (ex. Discovery Channel “Human Wildlife” series; Discovery Health Channel); and television, radio and print news media (including CBC (regional and national), CTV, CHEK TV, Georgia Straight, Vancouver Sun, New Scientist, Globe and Mail, Nanaimo Free Press, Victoria Times Colonist, Readers Digest, Science advisor and co-host for pilot children’s show on urban wildlife

CONFERENCE ORGANIZER

1. Wildlife Disease Association. Scientific Planning Committee. Victoria 2022
2. Wildlife Disease Association. Scientific Committee. Madison 2022
3. International One Health Congress. Saskatoon 2018. Scientific Committee
4. Wildlife Disease Association. Scientific Committee. Lyon. 2012
5. Impacts and control of foot and mouth disease in British Columbia. Abbotsford BC. October 2009 (co-organizer)
6. Global Health Research InSTITUTE program review conference. Cairo. October 2009 (co-organizer)
7. International Society for Veterinary Epidemiology and Economics 11th International Symposium. Colorado. 2000 (Organizing committee member)
8. Canadian Association of Veterinary Epidemiology and Preventive Medicine. Charlottetown. July 7, 1996. (Organizer)
9. Wildlife Disease Surveillance Workshop. Vancouver, Mar 22, 1996 (Co-organizer)
10. Canadian Association of Veterinary Epidemiology and Preventive Medicine. Victoria, July 16, 1995. (Co-organizer)

GRADUATE STUDENT SUPERVISION

SUPERVISED/CO-SUPERVISED (CO-SUPERVISED INDICATED BY [C])

STUDENT	DEGREE	DATE	TOPIC	INSTITUTION
E. Delage, [c]	MSc	2022-23	One Health curriculum	Ross University
C. Gallagher	PhD	2017-2024	Applying the health promotion approach to One Health problems involving wildlife interactions	Ross University
J. Wittrock	PhD	2014-2019	Development of a determinants of health model for wildlife	Univ Sask
N. Pushpakamura [c]	MPhil	2014-2017	Wildlife surveillance in Sri Lanka- A Rabies model	Univ Peradedniya
M. McAdie[c]	MSc	2013-2018	Assessing Vancouver Island marmot health	Thompson Rivers Univ
D. Sinclair[c]	PhD	2013-	Wildlife health concepts and perspectives in Ontario	Univ Guelph
E. Jamot	Masters (non-thesis)	2013-2014	Framework for wildlife health intelligence for Sri Lanka	Univ. Lyon, France
D. Abraham [c]	MSc	2009-13	<i>Mycobacterium tuberculosis</i> in temple elephants in India	Univ. Calgary
S Kottawatta [c]	MSc	2010-12	Methods development for residues testing in Sri Lankan poultry and aquaculture products	Univ Peradeniya

M Anholt	PhD	2008-13	Electronic medical record text mining for companion animal enteric disease: model for emerging environmental risk detection	Univ Calgary
S Boyle	MSc	2007-09	Wildlife disease assessment tool for national parks personnel	Royal Roads Univ
R Bandara [c]	MPhil	2007-09	Policy Assessment: Capacity of Sri Lankan legislation to meet emerging disease program needs	Univ Peradeniya
N. Munasinghe [c]	MPhil	2008-11	Antimicrobial use practices in Sri Lankan shrimp farms	Univ Peradeniya
C Glass [c]	PhD	2007-2017	Animals as determinants of health in Maasai communities	Univ Brit Columb
A.Salb	MSc	2007-12	Epidemiology of anthrax outbreaks in northern wood bison	Univ Calgary
K. Sawford	PhD	2007-12	Use of front-line veterinarians for surveillance for early warning of emerging diseases	Univ Calgary
L Vrbova [c]	PhD	2006-13	Animal health data as a predictor of public health risk from emerging diseases	Univ Brit Columb
C Duncan [c]	MSc	2003-05	Emergence of a multi-species outbreak of <i>Cryptococcus gattii</i> in British Columbia	Univ Sask
S St.Hilaire [c]	PhD	1997-2000	Infectious hematopoietic necrosis in salmon in British Columbia	Univ Guelph
N DeWith [c]	MSc	1997-99	Health risk assessment in animal movements	Univ Sask
J Aramini [c]	MSc	1996-98	Role of wildlife and peri-urban animals in a community outbreak of <i>Toxoplasma gondii</i>	Univ Sask
V Adams [c]	MSc	1996-98	Rabies in coyote and racoons in British Columbia: A risk assessment	Univ Sask

POST DOCTORAL FELLOWS

STUDENT	YEAR	TOPIC	INSTITUTION
---------	------	-------	-------------

T Burns	2013-2014	Developing a strategic plan for multi-stakeholder, systems-based research for emerging diseases in Asia	CCH
T Burns[c]	2011-2012	Sustainable aquaculture for rural poverty reduction in Sri Lanka	Univ Calgary
N Chapinal[c]	2010-12	Diagnostic test assessment for tuberculosis and brucellosis in northern wood bison (part time PDF)	Univ Brit Columb

MASTERS OF PUBLIC HEALTH OTHER PRACTICUM SUPERVISION

STUDENT	YEAR	TOPIC	INSTITUTION
S el Kurdi	2012	Network analysis of professional knowledge of Japanese encephalitis ecology in Nepal	Univ Alberta
K Anderson	2011	Adapting social learning theory for sustainable aquaculture development	Univ Alberta
M Shewfelt	2010	Guidelines for veterinary practice environmental impact assessment	Univ Guelph
L Bachus	2009	Ecosystem approaches to vectorborne diseases	Color State Univ
S Pollock	2008-10	Federal Field Epidemiology Placement co-supervisor	PHAC
E DiCiccio	2007	Risk assessment and aquatic pathogen transfer (1 yr PhD placement)	UnivCamerino
S Pollock	2006	Community Medicine Resident Placement supervisor	Univ Brit Columb

GRADUATE RESEARCH COMMITTEE MEMBERSHIP

STUDENT	DATE	DEGREE	TOPIC	INSTITUTE
L. Ly	2021-present	PhD	Companion animal welfare and disasters.	Land and Food Systems Univ Brit Col.
E. Nogues	2020-present	PhD	Dairy cattle welfare	Land and Food Systems Univ Brit Col.
E. Bouchard	2017-present	PhD	Arctic wildlife parasitology	Western College Vet Med, Univ Sask

M. Lee	2017- 22	PhD.	Design of an urban rat zoonoses surveillance system.	School Pop and Pub Health Univ Brit Col
M Lee	2016	MSc	Effects of rodent control of rate borne zoonoses	School Pop and Pub Health Univ Brit Col
L Yee	2015-17	MSc	Wildlife health surveillance	Wilfrid Laurier Univ
R. Kolla	2014-17	MSc	Governance and wildlife health in Sri Lanka	College of Agric. Univ Sask
M Bachard	2014-18	PhD	Toxoplasmosis in wildlife and food safety considerations	Western College Vet Med, Univ Sask
K. Caldwell.	2013-16	MSc	Community perceptions of wildlife health in Sri Lanka.	College of Agric. Univ Sask
T Westers	2011-13	MSc	Measuring Sustainable Aquaculture in Sri Lanka	Faculty Vet Med. Univ Calgary
P Mahboubi	2010-15	PhD	Northcoast oil transportation: Linking health and environmental impact assessment.	Uni North Brit Col
J Wu	2011-15	PhD	Food security and shrimp farming in Sri Lanka	Faculty Vet Med. Univ Calgary
V Nuyeng	2008-11	MSc	Use of ecohealth as a concept in public health	Ontario Vet Coll Univ Guelph
D Roth	2008-17	PhD	Landscape and ecological aspects of West Nile virus epidemiology.	School Pop and Pub Health Univ Brit Col
C Robertson	2007-10	PhD.	Spatial epidemiology and emerging infections in Sri Lanka.	Dept Geograph Univ Victoria
T Burns	2005-10	PhD.	Human and wild bird pathways for avian influenza transmission in poultry.	Ontario Vet Coll Univ Guelph
A Griffiths.	2004-06	MSc	Occupational and environmental health	School Pop and Pub Health Univ Brit Col

J Williamson	2004-09.	PhD.	Molecular epidemiology of Cryptosporidium.	School Pop and Pub Health Univ Brit Col
M McLaws	2001-06	PhD	Foot and Mouth disease epidemiology.	Ontario Vet Coll Univ Guelph
J MacDonald.	1996 withdrawn	MSc	Enteric diseases in cattle – public health aspects	Western College Vet Med, Univ Sask
S Sanders	1996-2005.	PhD	Immunotoxic effects of oil on Pacific herring	Faculty of Sci. Simon Fraser Univ

UNDERGRADUATE TRAINEE SUPERVISION

NAME	PROGRAM	INSTITUTION	DATE	TOPIC
H. Reid	DVM	University of Saskatchewan	2019	Aquarium health management
I. Warbrick	BSc	Vancouver Island University	2012	Ocean acidification
A Hering	DVM	University of Calgary	2009	Wildlife health training capacity
B Munk	DVM	Colorado State University	2007	Fish health policy
V Bastura	BSc	Malaspina University-College	2006	MRSA in animals
A Warnock	BSc	Malaspina University-College	2006	Enteric zoonoses in dogs
T Stitt	DVM	University of Saskatchewan	2005	Wildlife disease surveillance
J Mountfield	DVM	University of Guelph	2004	Wildlife disease surveillance
N Plamondon	BSc	Malaspina University-College	2003	West Nile mosquito vector
J Newall	BSc	Malaspina University-College	1999	Ivermectin toxicity in rockfish
M. Krazanowki	BSc	Malaspina University-College	1999	Information systems and surveillance
D Samm	DVM	University of Saskatchewan	1999	Cougar pathogen survey
E Sifton	DVM	University of Saskatchewan	1996	Birds as environmental sentinels

RESEARCH STAFF SUPERVISED

Name	Level	Institution	Date
T Stitt DVM MPH Trop Med	Researcher	Centre for Coastal Health	2008-present
S Iwasawa BSc	Research Assistant	Centre for Coastal Health	2008-present
J Dawson BSc MA Dip Fish.Aqua	Researcher	Centre for Coastal Health	2004-present
P Stephen	Research assistant	Centre for Coastal Health	2008-09
A Anderson BSc	Research assistant	Centre for Coastal Health	2006-07
N Simpson BSc	Research assistant	Centre for Coastal Health	2006
M Mounce BSc	Research assistant	Centre for Coastal Health	2006
J Parmley DVM PhD	Researcher	Centre for Coastal Health	2005-2009
N Plamadon BSc	Research assistant	Centre for Coastal Health	2005
E Fraser DVM MSc	Researcher	Centre for Coastal Health	2001-2005

EXTERNAL EXAMINER FOR DISSERTATIONS

1. Rittm S. 2024. Understanding and Developing Strategies for Managing Human-Macaque Interaction in Thailand Using a Participatory and One Health Approach. University of Zurich. Dr. sc. nat.
2. Overton, R. 2017. A survey of the acquired knowledge, attitudes and perceptions of students and lecturers of the MBBS programme on the “One Health” concept within the Faculty of Health Sciences, University of Guyana. University of Guyana. MPH
3. D’Amours G. 2008. Genetic diversity and tetracycline resistance of *Histophilus somni* in Southern Alberta feedlots. PhD. University of Calgary
4. Yatich, J, 1995. A review of the control of Phlebotomin sandflies (*Diptera: Psychodidae*) and a survey of responses on management of visceral leishmaniasis by residents living in a focus of the disease in Marigat, Kenya. Master of Pest Management. Simon Fraser University. May 15.

ACADEMIC AND EXPERT SERVICE

EXTERNAL COMMITTEES

INTERNATIONAL

1. Wildlife health working group member. Convention on the Conservation of Migratory Species of Wild Animals. 2025-present
2. Chair – Evaluation working group. Alliance Against Health Risks in the Wildlife Trade 2023-2025
3. Steering Committee. One Health in Action Commission. Shanghai Jiao Tong University. 2023
4. Steering Committee. Alliance Against Health Risks in the Wildlife Trade. 2022-present
5. Technical Working Group - Climate Change Leadership and Youth in the Caribbean. Pan-American Health Organization 2020-2025
6. International Year of the Salmon - North Pacific Steering Committee Meeting 2017-2019
7. Expert group on invasive alien species and health. World Animal Health Organization (OIE) 2011
8. One Health Working Group (development of international assessment tool). World Bank 2011
9. Disease Advisory Group member. Salmon Dialogue. World Wildlife Fund. 2007-2009
10. Board of Technical Experts. Great Lakes Fisheries Commission. Ecology of Infectious Diseases in Great Lakes Fishes: Effects of Lake Management Strategies. 2001-2002.

NATIONAL

1. Health and Wellbeing Advisory Table Member. National Climate Adaptation Strategy, Health Canada 2021-22
2. PRV Risk Assessment. Canadian Scientific Advisory Committee. Co-Chair. 2019
3. Wildlife Health Advisory Committee – Environment and Climate Change Canada - Co-Chair 2018-20
4. National Plant and Animal Health Strategy. Co- Chair – Influencing Behaviour Working Group. 2017.
5. Wildlife Health focal point for Canada 2014- 2020
6. Canadian Animal Health Surveillance System (CAHSS) – Directors group member 2015 – 2020
7. Canadian Animal Health Surveillance Network (CAHSN) Directors group 2014-2018
8. Invited participant. Strengthening National Health Systems’ Capacity to Respond to Future Pandemics. McMaster Health Forum. 2013
9. Management Committee Canadian Cooperative Wildlife Health Centre (2012-2020)
10. Member. Human and Ecosystem Health Reference Group. Canadian Public Health Association. 10/2012-2014
11. Member. Steering Committee – National Assessment of Antimicrobial Resistance Surveillance Assessment. National Collaborating Centre for Infectious Diseases. 2012-13
12. Member. Advisory Committee. National Collaborating Centre for Infectious Diseases. 2010- ongoing
13. Member. Antibiotic Resistance and Use Working Group, National Collaborating Centre for Infectious Diseases. 2010-2014
14. Member. One Health Working Group, National Collaborating Centre for Infectious Diseases. 2010-2014
15. Member. Innovation Task Force. Canadian Veterinary Medical Association. 2010
16. Member. H1N1 influenza risk assessment working group – Public Health Agency of Canada 2009
17. Chair – Canadian Veterinary Medical Association Environmental Advisory Committee 2009-2011
18. Working Group on the Future of Animal Health Science - CFIA 2007-2008 (member)
19. National Avian Influenza Advisory Committee. Canadian Food Inspection Agency. 2006-2007.
20. Veterinarians Without Borders. Founding Board Member 2005- 2008
21. Lead. Early Detection of Disease Work Group. National Wildlife Disease Strategy. Environment Canada. 2004.

REGIONAL

1. Hiring Committee (epidemiologist)– Fisheries and Ocean Canada. 2018
2. Hiring Committee. Veterinarian Parks Canada. 2017
3. Hiring Committee. Veterinary Public Health position. BC Centre for Disease Control 2012
4. Facilitator plus scientific advisor for development of multi-stakeholder plan for management of introduced winter ticks in the Yukon. Environment Yukon, Government of the Yukon 2008
5. BC Integrated Foodborne Surveillance Project. – Lead – Project Evaluation. 2006-2008
6. Chair – Board of Directors. BC Environmental and Occupational Health Research Network. 2006-2009.
7. Co-Chair. Developing a British Columbia Environmental, Occupational and Workplace Health Network. Michael Smith Foundation for Health Research. 2004
8. Fish Health Advisor BC Aquaculture Research Committee. Science Council of British Columbia. 2003-2007.
9. Chair. Federal-Provincial Fish Health Management Committee. British Columbia. 2003-2007.
10. Scientific Advisory Committee on Surveillance of Human Health Effects of Aerial Spraying for Gypsy Moths on Southern Vancouver Island. A committee of the Capital Health Region . 1999.
11. Technical Advisory Team Member - Salmon Aquaculture Review. B.C. Environmental Assessment Office. August 1996 - June 1997.

UNIVERSITY COMMITTEES**UNIVERSITY OF SASKATCHEWAN**

Promotion review committee. Veterinary Microbiology. Sept/14
 Sub-committee of curriculum development. Masters of Public Health Program 2004

UNIVERSITY OF CALGARYDepartment

EPH internal graduate student funding committee (2008-present)

Faculty

Fourth year exam committee (2010)
 DVLC management committee (2009-2011)
 First year teachers committee (2007-present)
 Second year teachers committee (2007-2012)
 Clinical presentations committee (2007-2009)
 Search and selection committees (3 committees – 2007-08; 1 2013)

Neutral Chair (Medical Sciences) 2011 (1 PhD Comp), 2012 (1MSC defense)
 Neutral Chair (Veterinary Medicine) 2012 (1 PhD Comp)

University

Provost Task Force on International Engagement 2012
 Animal Care Committee – Bamfield Marine Station 2009 - 2013

UNIVERSITY OF BRITISH COLUMBIA

Masters of Public Health Advisory committee 2010-2017
 Masters of Public Health Task Force Member 2007-2008
 Clinical Appointment and Promotion Committee. School of Population and Public Health. Faculty of Medicine. Jan. 2002- present
 Acting Director, Master of Health Science program. Faculty of Medicine. Department of Health Care and Epidemiology. (August 1995- June, 1997).
 Coordinator of field placements for Community Medicine Residents. Faculty of Medicine. Department of Health Care and Epidemiology. (August 1995- June, 1997)

UNIVERSITY OF VICTORIA

Animal Care Committee member. Sept 1997 - 2006

MALASPINA UNIVERSITY-COLLEGE

Animal Care Committee member. Sept 1998 – 2007

EDITORSHIPS

Executive editor. Research Directions: One Health 2022-2025

Chair of the Editorial Committee of the Canadian Veterinary Association journals. 2023-present.

Associate Editor. Frontiers in public health/ Planetary Health. June 2019-2021

Review editor. Ecohealth. Jan 2012-2018

Feature Editor (Cross Canada Disease Reports) – Canadian Veterinary Journal. 2000-2002

JOURNAL REVIEWS

Selection of the journals reviews examples:

Nature, BioScience; Frontiers in Ecology and Evolution; Ecohealth; American Journal of Public Health; Computer Methods and Programs in Biomedicine; BMC International Health and Human Right; Revista de Biología Marina y Oceanografía, Preventive Veterinary Medicine, Journal of Wildlife Disease, Canadian Journal of Public Health, Journal of Social Aspects of HIV/AIDS, Canadian Journal of Veterinary Research , Canadian Veterinary Journal, Canadian Medical Association Journal, Medical Mycology, Journal of Agriculture and Environmental Ethics

Book Reviews

Reviewer for the Canadian Journal of Public Health (2 reviews)

Peer review of Health Canada's report: *Human Health in a Changing Climate: A Canadian Assessment of Vulnerabilities and Adaptive Capacity*. 2008

PEER REVIEW COMMITTEE

CIHR College of Reviewers (Population and Public Health)

GRANT REVIEWS

Selection of agencies/programs provided reviews (examples)

Swiss National Science Foundation

CIHR Operating grants – Population and Public Health

Wellcome Trust

CIHR Doctoral research fellowship review committee

US Department of Defense Strategic Environmental Research and Development Program

Canada Research Chair College of Reviewers

Royal Dutch Academy of Arts and Science

US Centre for Disease Control (Climate change impacts on health)

NSERC, ISTC program

BC Environmental and Occupational Health Research Network

Scottish Aquaculture Research Forum,

BC Innovation Council (head review committee for the Aquaculture Research Program)

TEACHING AND TRAINING ACTIVITIES

UNDERGRADUATE COURSES

Course	Role	Date	Institution
Veterinary Issues CVM 6040	Lecturer	2020 (2hrs)	Western University of Health Science
Environmental Science EVS3000L	Lecturer	2020 (1hr)	University of Florida
Animals and Global Issues APBI 414	Lecturer	2020, 2021,2022, 2023, 2024 (2 hrs) 2025 (2 hrs)	University of British Columbia
Veterinary Public Health (VTMC 340)	Instructor	2015, 2022, 2023, 2024 (3 hrs) 2025 (1 hr)	University of Saskatchewan
Animals, Health and Society (VETM323)	Coordinator and principle instructor	2007-2014	University of Calgary
Introduction to Animals and Humankind (VETM360)	Field instructor	2007-2014	University of Calgary
Public Health and Risk Analysis (VETM440)	Instructor	2008-10	University of Calgary
Selected Topics in Ecosystem and Public Health I (VET450)	Coordinator and principle instructor	2008-10	University of Calgary
Selected Topics in Ecosystem and Public Health I (VET450)	Coordinator and principle instructor	2008-10	University of Calgary
Ecosystem & Public Health Field Course (VETM561)	Coordinator and instructor	2010-2014	University of Calgary
Ecosystem Health (BIOL490)	Coordinator and instructor	2006	Malaspina University-College
Microbial Ecology (BIOL332)	Coordinator and instructor	2003	Malaspina University-College
Applied Epidemiology (BIOL437)	Coordinator and instructor	2002-05	Malaspina University-College
Fish Health (AQUA241)	Coordinator and instructor	2001-03	Malaspina University-College
Disease of fish and shellfish (AQUA341)	Coordinator and instructor	2001-03	Malaspina University-College
Measuring and Assessing Coastal Health (BMS502)	Coordinator and instructor	1999	Bamfield Marine Station

GRADUATE COURSES

Course	Role	Date	Institution
SPPH 525 Issues and Concepts in Public Health	Instructor	2018	University of British Columbia
Special topics: Wildlife epidemiology (VTMC 898)	Coordinator and instructor	2014	University of Saskatchewan
Special topics: Wildlife epidemiology	Coordinator and instructor	2014	Thompson Rivers University
Special topics: Fundamentals of Veterinary Epidemiology (VETM690)	Coordinator and instructor	2011-13	University of Calgary
Special topics. Risk assessment and policy (VETM690)	Instructor	2011	University of Calgary
Special Topics in Health Sciences: Ecosystem Approaches to Health (HHSC 440/640)	Instructor	2010, 2013	Western Dean Agreement Course UBC, UNBC, UC
Directed Studies. (Challenges in Veterinary Epidemiology) (MDSC775)	Coordinator and principle instructor	2008	University of Calgary
Special Field Experience (Surveillance and Field Epidemiology) (VBMS 802.3)	Coordinator and instructor	2004	University of Saskatchewan
Special Field Experience. (Risk Assessment.) (VBMS802.3)	Coordinator and instructor	2003	University of Saskatchewan
Special Problems in Veterinary Microbiology (Applied Epizootiology)	Instructor	1996	University of Saskatchewan
Measurements of Health in Human Populations (Outbreak investigation Section)(HCEP 502)	Instructor	1995-2007	University of British Columbia

CONTINUING EDUCATION

1. Leadership of a National Wildlife Health Network., Mahidol University Jan 2023.
2. Climate change fellowship training in the Caribbean. Univ. West Indies. 2020-2023
3. Future-readying veterinary medicine. Canadian Food Inspection Agency, Western region. 2022
4. Veterinary medicine and the Anthropocene. Canadian Food Inspection Agency, Western region. 2021
5. Selected population and environmental health topics. Canadian Food Inspection Agency, Western region. Calgary. Feb 2020
6. Principles of practice for a national wildlife health centre Mahidol University. Thailand 2020
7. Tropical and Geographic Medicine intensive short course. UBC. April 2018
8. One Health Leadership series. One Health, One Caribbean, One Love. University of the West Indies 2014-2017
9. Introduction to Surveillance, University of Peradeniya, Kandy Sri Lanka, 2009
10. Veterinary Public Health, Sri Lanka Ministry of Livestock, Kandy Sri Lanka, 2007
11. Wildlife Epidemiology, Western Wildlife Veterinarians, Nanaimo, Canada, 2005
12. Introduction to Risk Assessment, Great Lakes Fishery Commission, Ann Arbor, USA, 2002
13. Disease Surveillance, Fisheries and Oceans Canada, Nanaimo, Canada 1998
14. Applied Epidemiology, Washington State Fish and Game Department, Olympia, USA, 1998
15. Applied Epidemiology, Canadian Aquaculture Institute, Nanaimo, Canada, 1997
16. Disease Surveillance, Malaysian Ministry of Health, Vancouver, Canada, 1995

OTHER PROFESSIONAL ACTIVITY

EXPERT WITNESS

1. Cohen Commission into the Disappearance of Sockeye Salmon 2012
2. Salmon disease outbreak; New Zealand. 2002 -2003

3. Impacts of fish health management in Canada (Provincial Court) 2002 and 2003
4. Translocation of red deer to Canada Canadian Federal Court. 1999

SOCIETY MEMBERSHIPS

1. Canadian Academy of Health Sciences (2025=4-preent_
2. Wildlife Disease Association (ongoing)
3. Canadian Association of Veterinary Epidemiology and Preventive Medicine. Member 1991-1998, President-elect 1996-96; President 1996-1997
4. Association of Aquatic Animal Veterinarians of British Columbia. Member 1992-1997
5. British Columbia Veterinary Medical Association (member). 1987- 2022
6. Canadian Veterinary Medical Association (member) 1987-2011, 2024-present

DR CHRIS WALZER

(submitted by the Wildlife Conservation Society)

This section contains:

- Statement justifying the candidature
- Candidate profile (see UNEP/CMS/COP15/Doc.16.1.Add.1)
- Declaration by the candidate expressing their readiness to accept the appointment if selected
- Full CV (optional)

Received from WCS:

WCS would like to nominate the Executive Director of our Health Program, Dr Chris Walzer, for the position of COP-appointed councillor for invasive species, disease, feral animals, insects, and marine pests and weeds. I assure you that Dr. Walzer, a globally recognized expert and leader, would be an outstanding councillor.

I attach a statement from Dr. Walzer, a CV, and further information.

Please let me know if this is sufficient, or if you need a formal invitation letter from WCS, or if this nomination must come from a Party.

Thank you for your consideration.

Justification Statement for the Nomination of Dr. Chris Walzer

Dr. Chris Walzer is nominated for the position of COP-appointed Councillor for Invasive Species, Disease, Feral Animals, Insects, and Marine Pests and Weeds in recognition of his distinguished scientific leadership and long-standing contributions to wildlife health, conservation, and international policy processes relevant to CMS.

Dr. Walzer serves as Executive Director of Health at the Wildlife Conservation Society (WCS), Director of the WOAHA Collaborating Centre Consortium for Research, Diagnosis, and Surveillance of Wildlife Pathogens, and tenured Professor at the University of Veterinary Medicine Vienna. His career spans more than three decades of work on wildlife disease ecology, invasive species-related health risks, ecological connectivity, and integrated management of wildlife-livestock interfaces. He has led major surveillance and conservation programmes, including WildHealthNet in Southeast Asia and long-term research and reintroduction efforts in Central Asia, and has supported governments in strengthening wildlife health systems and environmental monitoring.

In addition, Dr. Walzer serves as a Commissioner on the Lancet Commission to Prevent Viral Spillover, contributing to global guidance that aligns strongly with CMS's priorities on upstream prevention and the conservation of migratory species. He is actively engaged in multilateral policy discussions, including the WHO Pandemic Agreement negotiations, CBD Biodiversity & Health processes, and WOAHA technical initiatives.

Dr. Walzer's extensive scientific expertise, continued academic leadership, and proven ability to work across sectors and regions make him exceptionally well suited to support the Scientific Council and to contribute constructively to CMS's work on emerging diseases, invasive species, and conservation challenges of global concern.

Declaration by Candidate

I, Dr. Chris Walzer, hereby declare my readiness to accept the appointment as the COP-appointed Councillor for Invasive Species, Disease, Feral Animals, Insects, and Marine Pests and Weeds for the intersessional period between COP15 and COP16, if selected by the Conference of the Parties.

I confirm my willingness and availability to fulfil all responsibilities described in Annex 1 of Notification 2025/031, including participation in Scientific Council and Sessional Committee meetings, chairing thematic working groups as required, and providing technical and scientific advice to the Secretariat and Parties.

My experience as Executive Director of Health at the Wildlife Conservation Society, Director of the WOAHA Collaborating Centre for Wildlife Pathogens, and Commissioner on the Lancet Commission to Prevent Viral Spillover equips me to support CMS in advancing its work on wildlife health, invasive species, and conservation-driven disease prevention.

Signature: 

Name: Dr. Chris Walzer

Date: 2 December, 2025

Prof. Dr. Chris Walzer Dipl. ECZM (wph)

Professional Summary: Internationally recognized wildlife veterinarian, conservation scientist, and One Health leader with over 35 years of experience spanning research, policy, and implementation. Executive Director of Health at the Wildlife Conservation Society (WCS) and tenured Professor of Conservation Medicine at the University of Veterinary Medicine Vienna. Extensive record of securing international funding, leading multi-country projects, shaping global health policy, and mentoring the next generation of conservation professionals.



Personal info

Nationality: Austria | USA Green Card
Address: 2, Rochelle Street, Bronx, NY 10464, USA
Phone number: +9178034780 **Email address:** cwalzer@mac.com
Web: www.linkedin.com/in/christian-walzer-3780b92/

Wildlife Conservation Society - Global Executive Director Health

2017 – present BRONX - NEW YORK, USA

Served as the institutional lead in developing and implementing an integrated health program across WCS's global conservation portfolio, establishing WCS as a WOAHA Collaborating Centre for Wildlife Health. Led multi-country DTRA and USAID-funded projects on pandemic prevention and wildlife health surveillance, while shaping global policy frameworks on One Health and primary prevention through direct engagement with WHO, WOAHA, and international commissions. oneworldonehealth.wcs.org | wcs.org

University of Veterinary Medicine Vienna University Professor (tenured), Chair of Zoological Medicine and In-situ Conservation

2005 – present VIENNA, AUSTRIA

Tenured Professor and Chair of Zoological Medicine at the University of Veterinary Medicine Vienna, where I established the Conservation Medicine curriculum, lead research on wildlife health and One Health, and have supervised over 40 masters and doctoral theses while mentoring the next generation of conservation and wildlife health professionals. Since 2017 partial leave of absence.



Work Experience

University of Veterinary Medicine Vienna Director of Conservation Medicine Unit, Research Institute of Wildlife Ecology

2007 – 2024 VIENNA, AUSTRIA

University of Applied Arts Vienna Guest Professor

2012 – 2017 VIENNA, AUSTRIA

Rotational professorship in the framework of the Arts & Science Masters Program see: <http://tinyurl.com/njs99e4>

University of Veterinary Medicine Vienna Deputy Director of Department of Integrative Biology and Evolution

2010 – 2015 VIENNA, AUSTRIA

Early Career

12/1988

International Takhi Group, Director of Science and Health [1999-2014]
Salzburg Zoo Hellbrunn, Deputy Director [1997-2005]



Work Experience

Salzburg Zoo Hellbrunn, Head Veterinarian [1993-2005]
Herberstein Wild Animal Park, Contract Veterinarian [1989-1993]
Private Practice Owner, Veterinarian [1990-1993]

Diplomate European College of Zoological Medicine (Wildlife Population Health)
European Board of Veterinary Specialisation
2009 BRUXELLES, BELGIUM

Habilitation Thesis
University of Veterinary Medicine
2003 VIENNA, AUSTRIA
Dr. habil. , Venia legendi in Zoo and Wildlife Medicine.

Certified Specialist in Zoo and Wildlife Medicine
Austrian Chamber of Veterinary Surgeons
1999 VIENNA, AUSTRIA

Certified Specialist in Animal Welfare and Husbandry
Austrian Chamber of Veterinary Surgeons
1998 VIENNA, AUSTRIA

Doctoral Thesis
University of Veterinary Medicine
1993 VIENNA, AUSTRIA
Doctoral Thesis (Dr. med. Vet.): Splenic myelolipoma in cheetah (*Acinonyx jubatus*)

Veterinary Medicine
University of Veterinary Medicine
1981 – 1989 VIENNA, AUSTRIA
Mag. med. vet. (DVM)

Austrian One Health Network
University of Veterinary Medicine
11/2023 – present
Member

Ethics and Animal Welfare Commission
University of Veterinary Medicine
2014 – 2017

Working Group for Equal Opportunities
University of Veterinary Medicine
2008 – 2014
Member, representing the faculty

Chair Curriculum Panel
University of Veterinary Medicine
2014 – 2017
Curriculum panel for Masters program Wildlife Ecology and Wildlife Management, Bachelor's Programme in Equine Sciences, Interdisciplinary Master's Programme in Human-Animal Interactions

Animal Welfare and Animal Husbandry Controller
University of Veterinary Medicine
2012 – 2015



Education



University

Appointments

**WOAH Collaborating Centre Consortium for Research, Diagnosis and Surveillance of Wildlife Pathogens
Director**

05/2025 – present

WOAH Collaborating Centre Consortium for Research, Diagnosis and Surveillance of Wildlife Pathogens formally connecting WCS with the Canadian Wildlife Health Cooperative (CWHC) and the US Geological Survey National Wildlife Health Center (NWHC). The focus area of the WCS-CWHC-NWHC Collaborating Centre is Wildlife Health and Biodiversity.

Alliance for Transformative Action on Climate and Health (ATACH)

Expert and a Radical Circle Member

07/2025 – present

Expert Group supporting the identification of *Best Buys for Climate and Health*, a key component of an initiative under the Alliance for Transformative Action on Climate and Health (ATACH) led by the World Bank in collaboration with the Development Bank Working Group for Climate and Health Finance.

**The Lancet–PPATS Commission on Prevention of Viral Spillover
Commissioner**

10/2023 – present GLOBAL

This Commission strives to mobilise decision makers and implementers to take transdisciplinary action to limit viral spillovers through research, policy, law, and practice—thereby reducing the risk of future pandemics while promoting a healthier, more sustainable, and more equitable future.

**Convention on the Conservation of Migratory Species of Wild
Animals (CMS) Working Group on Migratory Species and Health
Member**

12/2023 – present

**McEachran Institute
President Board of Directors**

10/2023 – present CANADA

<https://www.mceachraninstitute.ca/>

**International Union for the Conservation of Nature (IUCN) -
Wildlife Health Specialist Group
Member**

2015 – present GLOBAL

**International Union for the Conservation of Nature (IUCN) -
Connectivity Conservation Specialist Group
Member**

2017 – present GLOBAL

**Frontiers in Veterinary Medicine
Associate Editor Zoological Medicine**

01/2025 – present GLOBAL

**Frontiers in Veterinary Medicine
Specialty Chief Editor Zoological Medicine**

2016 – 2025 GLOBAL

Established the speciality section at Frontiers

**Zoological Society of London - Independent Science
Advisory Board
Board member**

2021 – 2025 UK



Other

Appointments

European Association of Zoo and Wildlife Veterinarians (EAZWV)

Board member at large

2018 – 03/2024 GLOBAL



Other Appointments

Previous Appointments

Faculty of Life Sciences, University of Vienna, Commission on Animal Experimentation [1997-2023]

European Association of Zoos and Aquaria (EAZA)

Veterinary Advisor European Feline Taxon Advisory Group (TAG); Veterinary Advisor Cheetah, White Rhino (EEP) [2009-2018]

Austrian Federal Ministry of Science, Research and Economy

Member Scientific Advisory Board, Zoo Vienna [2009-2018]

Austrian Federal Ministry of Health National Contact Point for Wildlife Diseases [2012-2018]

Austrian Federal Ministry of Science, Research and Economy

Member Federal Commission on Animal Experimentation and Welfare [2013-2017]

European College of Zoological Medicine (ECZM) Chair Exam Committee

Wildlife Population Health [2011-2017]

Supervision of Theses

University of Veterinary Medicine, Vienna, Austria

2008 – present

Supervised and reviewed 40+ master's and doctoral theses at the VetMed University as well as numerous other bachelor's, master's, and doctoral theses from other universities See: <http://tinyurl.com/cwalzer-thesis>

Developed and led graduate syllabus "Conservation Medicine" University of Veterinary Medicine, Vienna, Austria

2005 – 2024

Introduced Conservation Medicine to the Vetmed University, developed graduate syllabus, teach multiple courses: e.g., Introduction to conservation medicine, Wildlife diseases, Clinical wildlife medicine



Selected Teaching

Master programme "Wildlife Ecology and Wildlife Management" University of Natural Resources and Life Sciences, Vienna, Austria

2010 – 2019

Responsible for syllabus at University of Veterinary Medicine

Master programme "Arts & Science " University of Applied Arts, Vienna, Austria

2012 – 2019

Various lectures and project supervision

External lecturer

Paris-Lodron University Salzburg, Austria

2001 – 2005

Methods of Wildlife Management

Workshops and Training Programs Various - Global

present

I have extensive experience conducting international workshops and training programs in Wildlife Medicine, One Health, Conservation, Wildlife and Resource Management, Species Reintroduction, and Telemetry.

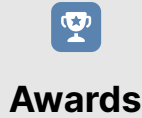


Awards

Distinguished Environmentalist Award Mongolian Ministry of Nature and Environment

2012

For contributions to the conservation of Mongolia's rare and endangered species



**Science Communication Prize
Austrian Science Foundation (FWF)**
2006

**CA-Rilke Prize
Creditanstalt Bank**
1994

**Karl Pfizer Prize
Pfizer Corporation Austria**
1993

500+ publications, 140+ peer-reviewed SCI/SSCI listed, h-index 48, i10 Index 151, 7963 citations [Google Scholar June 2025]. ORCID iD is 0000-0002-0437-5147 | For a full list of publications, presentations and associated statistics see: https://vetdoc.vetmeduni.ac.at/vivo/display/per_928 and https://www.researchgate.net/profile/Chris_Walzer

Finch, A., (2025) The promise and compromise of the WHO Pandemic Agreement for spillover prevention and One Health. *Lancet*. 10.1016/S0140-6736(25)00632-4

Wilhelm, C.S., Desvars-Larrive, A., Walzer, C (2025) Mixed-method analysis of published national one health strategic plans. *iScience*, 10.1016/j.isci.2025.111803

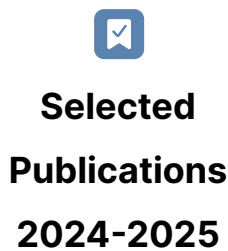
Arnal, Audrey, et al., (2025) Leveraging Small Biodiversity Reserves to Prevent Zoonotic Disease: Insights from Dilution Effect and Pathogen Adaptation Theories. *Disease Biology, Genetics, and Socioecology*. 10.53941/dbgs.2025.100006

Unwin, S; Ssebide, BJ; Walzer, C (2024) Managing Ape Health: Informing Interventions. In: *Disease, Health and Ape Conservation (Vol 5): State of the Apes - Disease, Health and Ape Conservation*. Cambridge University Press.

Desvars-Larrive et.al., (2024): Launching Austria's One Health network: paving the way for transdisciplinary collaborations. *One Health Outlook*. 2024; 6(1):23

Lancet-PPATS Commission on Prevention of Viral Spillover (2024): Draft of WHO Pandemic Agreement plays down primary prevention. *Lancet*. 2024; 403(10426):525-526

Esmaeili, Saeideh et al., (2024): Rainfall reduces the potential for competitive suppression of a globally endangered ungulate by livestock *Biological Conservation* 2024; 292: 110476.



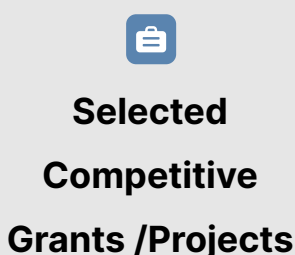
**Institutional Lead Partner
USDA-APHIS: SARS-CoV-2 Participatory Animal Surveillance in Alaska (SPASAK)**

06/2023 – present USA - ALASKA

Transdisciplinary team piloting participatory SC2 animal surveillance with underserved Indigenous and non-Indigenous communities in Alaska using approaches that empower these communities to participate in disease surveillance fully

**Institutional Lead Partner
VW-Foundation-Addressing Wildlife Risk Knowledge Gaps At the Environment-Health Nexus of the Andes-Amazon-Orinoco: Socio-ecological Impacts and Mechanisms of Pathogen Emergence in Changing Landscapes (SIMPEL)**

01/2023 – present MULTI COUNTRY





Selected

**Competitive
Grants /Projects**

**Institutional and Individual Partner
EU Horizon Europe - ZOE - Zoonoses Emergence across Degraded
and Restored Forest Ecosystems**

01/2024 – present MULTI COUNTRY

Biodiversity loss increases the risk of zoonotic diseases through closer contact between wildlife, humans, and domestic animals. To reduce this threat, we must integrate health and biodiversity conservation while addressing human behaviors—such as deforestation, agriculture expansion, and urbanization—that heighten these risks.

Institutional Lead Partner

**US Dept. of State /Bureau of International Narcotics and Law
Enforcement (INL) Confiscation and Management of Live Wildlife as
Evidence that Promotes Conservation, Health, Welfare and
Successful Prosecution**

01/2021 – present MULTI COUNTRY

Institutional Lead Partner

**Defense Threat Reduction Agency (DTRA) Biological Threat
Reduction Program (BTRP) of the U.S. Department of Defense.
Wildlife Health Surveillance Network [WildHealthNet]**

2018 – 2022 MULTI COUNTRY

<https://oneworldonehealth.wcs.org/Initiatives/WildHealthNet/WildHealthNet-in-South-East-Asia.aspx>

Consortium Partner

**USAID's Emerging Pandemic Threats (EPT) program. PREDICT-2
Reducing pandemic risk, promoting global health**

2017 – 2020 MULTI COUNTRY

<https://www.usaid.gov/sites/default/files/documents/1864/predict-global-flyer-508.pdf>

Consortium Project Partner

3-Lynx EU - ETC Interreg Programme Central Europe

2017 – 2020 MULTI COUNTRY

**Consortium Project Partner, Workpackage 2 Leader
EU - ETC Programme Alpine Space - ALPBIONET 2030**

2016 – 2020 MULTI COUNTRY

Project Partner, Co-PI

**Aquavir – Water as an aquatic viral vector for emerging infectious
diseases**

2015 – 2020 MULTI COUNTRY

PI and Manager

**EU - ETC Programme Alpine Space; recharge.green – Balancing
Alpine Energy and Nature.**

2012 – 2015 MULTI COUNTRY

Consortium Partner and WP 5 Leader

**EU - ETC Programme Alpine Space; GreenAlps – connecting
mountains people nature.**

2013 – 2014 MULTI COUNTRY

Consortium Partner and WP 3 Leader

EU-EMIDA-ERANET Tuberculosis in Alpine Wildlife.

2011 – 2013 MULTI COUNTRY

Project Partner

Ecology of the onager in Iran: habitat use and population genetics.

2015 – 2020 IRAN

See: <http://tinyurl.com/oe3sp2> linked 2015 to Aquavir

PI and Manager
EU - ETC Programme Alpine Space; Improving Ecological Connectivity in the Alps - ECONNECT

2008 – 2011 MULTI COUNTRY

PI
Jubiläumsfonds grant Austrian National Bank, Vienna, Austria
Epidemiological investigations on Mycobacterium avium spp. paratuberculosis at the livestock-wildlife interface

2009 – 2012 AUSTRIA

PI
Austrian Science Foundation (FWF) Project P-18624-B17 Landscape level research for the conservation of the Asiatic wild ass

2006 – 2010 MONGOLIA



Selected
Competitive
Grants /Projects

PI
Jubiläumsfonds grant Austrian National Bank, Vienna, Austria: The utilization of different plant species by reintroduced Przewalski's horses and other ungulates in the Gobi-B National Park in Mongolia

07/2003 – 06/2005 MONGOLIA

PI
Austrian Science Foundation (FWF) Project P-14992 Monitoring reintroduced Przewalski's horses and their main predator the wolf in the Dzungurain Gobi – SW Mongolia

2001 – 2003 MONGOLIA

Project Partner, Co-PI
International Rhino Foundation, SOS Rhino. An Integrated Approach for the Enhancement of Reproductive Performance of White Rhinoceroses in the EEP

MULTI COUNTRY

PI
Jubiläumsfonds grant Austrian National Bank, Vienna, Austria. The potential role of equine piroplasmiasis as a limiting factor to population growth in a population of reintroduced Przewalski's horses in Mongolia

2001 – 2002 MONGOLIA



Skills

- LANGUAGES

English
Bilingual

German
Bilingual

French
Professional



Leadership skills
and competences

I bring strong leadership, communication, and cross-sectoral expertise, having successfully collaborated with governments, multilateral organizations, and global partners. Skilled at navigating diverse cultural contexts and resolving complex stakeholder conflicts, I prioritize transdisciplinary participatory approaches, from high-level policy engagement to community workshops and consultations with local resource users.



Media
competences

In recent years, I have focused on bridging the gap between science and policy, particularly during the COVID-19 pandemic, by translating complex research for diverse media audiences. Drawing on extensive field experience and long-standing relationships with print, online, and television outlets, I have contributed to numerous national and international productions. Strong media engagement is essential for communicating science, advancing conservation goals, and supporting fundraising efforts.



Selected other technical skills

With decades of hands-on experience in remote and challenging environments, I have developed expertise in expeditionary travel and establishing essential infrastructure, including communications, energy, and water systems. I am skilled in designing and implementing robust procedures to meet the unique demands of harsh field conditions.



Consulting

As an experienced conservation and wildlife consultant, I have collaborated with organizations such as WWF, UNDP, the World Bank, and multiple governments, NGOs, and universities. I also advise international zoological institutions on animal welfare, veterinary care, collection planning, enclosure design, and conservation research.



Selected Professional Memberships

International Union for Conservation of Nature (IUCN); European College of Zoological Medicine; Alpine Convention Platform Ecological Networks; Member Think Tank on ecological networks; Austrian Association of Veterinarians (ÖGT); European Association of Zoo and Wildlife Veterinarians (EAZWV); American Association of Zoo Veterinarians (AAZV); Wildlife Disease Association (WDA); American Association of Wildlife Veterinarians (AAWV); Arbeitskreis der Zootierärzte im Deutschsprachigen Raum; Association Française des Vétérinaires de Parcs Zoologiques ;



Special Pursuits



MUT Running



Road/Mountain Biking



Photography



Backcountry Skiing



Social Media



@cwalzer.bsky.social



@chris_walzer



/chwalzer