

# One Health@Penn Research Community



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The growing recognition that human, animal, and environmental health are intimately connected (One Health) has led to a global understanding that an interdisciplinary, multisectoral approach is crucial if we are to address global concerns including agricultural sustainability, food security, emerging zoonoses, natural and anthropogenic disasters, biodiversity loss, and antimicrobial resistance. With its diverse schools and scholars in one geographic area, The University of Pennsylvania is uniquely positioned to train leaders in One Health. We have been funded this year by Penn's Environmental Innovations Initiative to engage a broad community of students and scholars committed to interdisciplinary problem-solving – the **One Health@Penn Research Community**. We have focused the first series of One Health@Penn initiatives on challenges raised by our rapidly changing climate and describe below the efforts that we have launched this year.

## ONE HEALTH IN ACTION SEMINAR SERIES



### ONE HEALTH IN ACTION SEMINAR

#### "Is One Health Future Ready?"



**CRAIG STEPHEN, DVM, PhD**  
Clinical Professor  
School of Population and Public Health  
University of British Columbia, Canada

**Thursday, April 20, 2023**  
12:00 pm US Eastern Time  
Hill 130  
Online via Zoom

Email Dr. Julie Ellis at [jellis04@vet.upenn.edu](mailto:jellis04@vet.upenn.edu) to RSVP

Dr. Craig Stephen is a veterinary epidemiologist who has devoted his career to developing ideas, peoples, policies and evidence to promote the health of people, animals and their shared environments. He uses population health and health promotion concepts on a wide set of issues ranging from conservation, to global health, to emerging threat preparedness. Craig works at the global level with governments, the non-profit sector, community groups, universities and industries to address complex health issues to develop sensible, practical and evidence-based policies with an inter-species and inter-generational perspective. He is the contributing editor of *Animals, Health and Society: Health Promotion, Harm Reduction and Health Equity in a One Health World* (2020) and *Climate Change and Animal Health* (2023), both published by CRC Press, and *Wildlife Population Health* (2022) published by Springer.

**Future Seminar - Dr. Scott Weese**  
Time and title TBA

## Research/Work in Progress SEMINAR SERIES



The RiP/WiP will launch in October with a focus on the impact of climate change on the health and welfare of humans, animals and our shared environment. Faculty and scholars from each of Penn's twelve schools will share their expertise and ideas to an open audience. Participants brainstormed in an interdisciplinary problem-solving session at a recent kick-off event.

School	Faculty
Penn Vet	<b>Dr. Julie Ellis</b> Co-Director, Wildlife Futures <b>Dr. Dipi Pitta</b> Mark Whittier and Lila Griswold Allam Associate Professor
Penn Med	<b>Dr. Farah Hussain</b> Director of Planetary Health
Penn Nursing	<b>Dr. Jennifer Pinto-Martin</b> Viola Macinnes/Independence Professor of Nursing, Professor of Epidemiology
Penn Dental	<b>Dr. Julian Fisher</b> Oral and Public Health, Social Determinants of Health
SP2	<b>Dr. Cheryl Ma</b> Research Assistant Professor – disaster risk reduction and sustainable development
GSE	<b>Dr. Zachary Herrmann</b> Executive Director of the Center for Professional Learning
SAS	<b>Dr. Bethany Wiggins</b> Professor of German, Founding Director, Penn Program in Environmental Humanities <b>Dr. Katie Barott</b> Assistant Professor of Biology <b>Dr. Jan Hawkings</b> Assistant Professor, Dept of Earth and Environmental Science
Wharton	<b>Dr. Susanna Berkouwer</b> Assistant Professor of Business Economics and Public Policy
Engineering	<b>Dr. Shu Yang</b> Joseph Bordogna Professor, Materials Science and Engineering
Annenberg School for Communication	<b>Dr. Emily Falk</b> Professor of Communication, Psychology, and Marketing <b>Dr. Allie Sinclair</b> Postdoctoral Fellow, Annenberg Public Policy Center
Penn Carey Law	<b>Dr. Shelley Welton</b> Presidential Distinguished Professor of Law and Energy Policy
Wetzman School of Design	<b>Prof. David Gerard Gouverneur Malakoff</b> Associate Professor of Practice
UPenn Student Health and Counseling	<b>Dr. Beth Mark</b> Psychiatrist, Working with Climate emotions

Date and time	Faculty
Sept 13, 4pm	The One Health@Penn team and R(W)IP participants
Oct 11, 12 noon	<b>Dr. Berkouwer (Wharton)</b> <b>Dr. Fisher (Dental)</b>
Nov 8, 12 noon	<b>Dr. Yang (Engineering)</b> <b>Dr. Gouverneur Malakoff (Design)</b>
Dec 13, 12 noon	<b>Dr. Barott (SAS, Biology)</b> <b>Dr. Wiggins (SAS, German)</b>
Jan 10, 12 noon	<b>Dr. Pinto-Martin (Nursing)</b> <b>Dr. Beth Mark (Student Health)</b>
Feb 14, 12 noon	<b>Dr. Hussain (Med)</b> <b>Dr. Herrmann (GSE)</b>
Mar 13, 12 noon	<b>Drs. Falk and Sinclair (Communication)</b>
Apr 10, 12 noon	<b>Dr. Pitta (Vet)</b> <b>Dr. Welton (Law)</b>
May 8, 12 noon	<b>Dr. Hawkings (SAS)</b> <b>Dr. Ma (SP2)</b>
May 22, 4pm (tentative)	The One Health@Penn team and R(W)IP participants

One of our long-term goals in establishing the Penn-wide One Health research community is to lay the groundwork for an NSF Research Traineeship (NRT) grant to develop a multi-disciplinary (Natural Science, Social Science, and Humanities) One Health@Penn Fellowship training program.

We are grateful for the support of Dr. Andy Hoffman, Dean of the University of Pennsylvania's School of Veterinary Medicine, who has matched the funds provided by the EII.

## FACULTY-STUDENT COLLABORATIONS

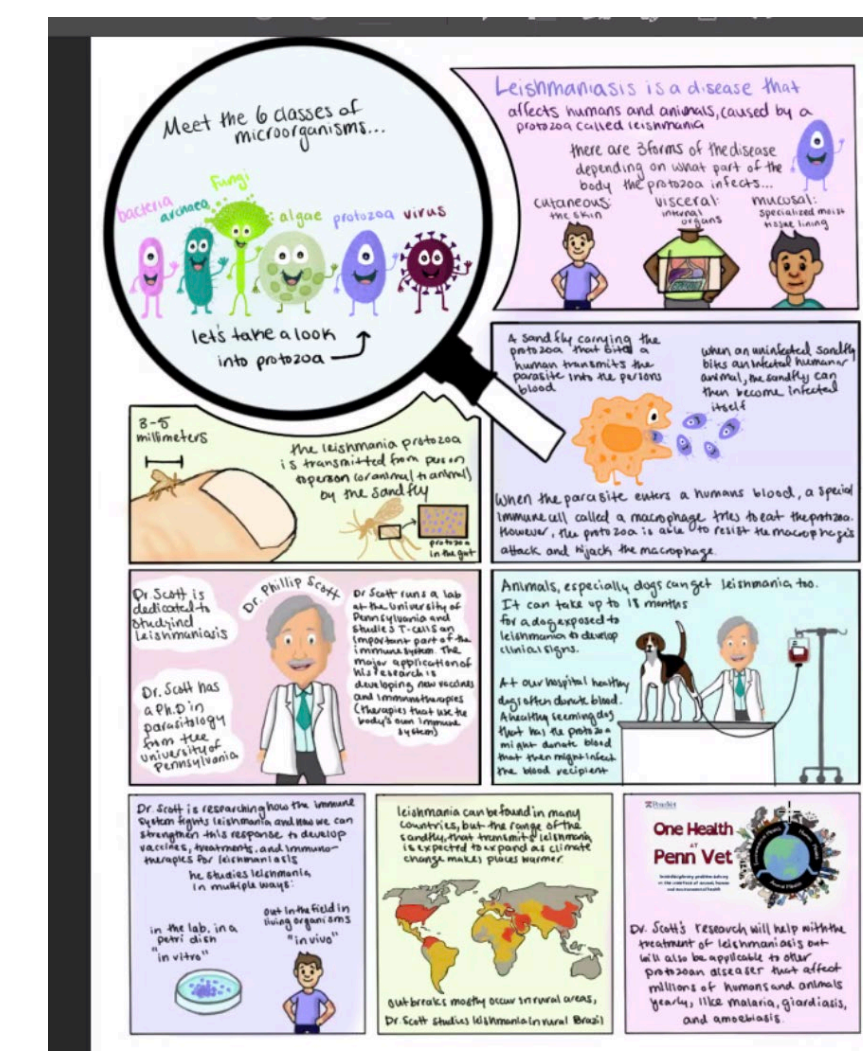


News Events Find an Expert About

### One Health@Penn website

In collaboration with our Director of Instructional Design and Online Learning, **May Truong**, PennVet and PennMed students have started a website to:

1. Describe One Health related events on campus
2. Highlight One Health related research
3. Connect visitors to One Health online educational resources



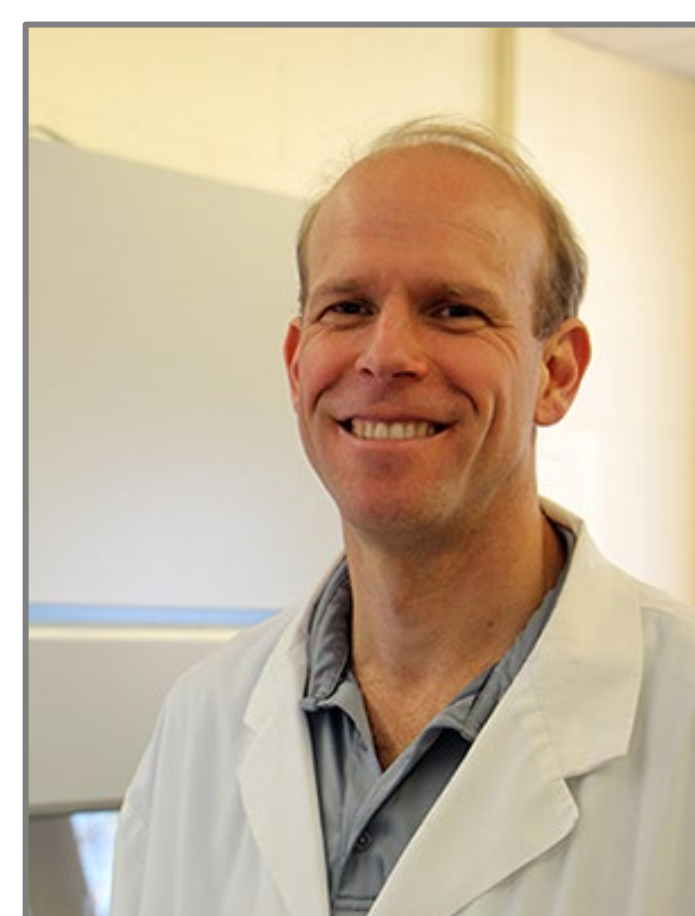
### One Health @Penn Research Storyboards

In collaboration with **Dr. Laurel Redding**, students are interviewing scholars at Penn and developing 'storyboards' of One Health related research that is accessible to all website visitors.

VMD students **Purva Nagarajan, Samantha Lackeyram-Owen, Jamie Burke and Liana DeNino** have taken the lead.

### Climate and One Health graduate course

**Drs. Elizabeth Woodward, Hillary Nelson and Erick Gagne** have been working with VMD/MES student **Lindsay Dwyer** and VMD/MPH student **Kitty McGuire** to develop a Climate and One Health course. **Drs. Woodward and Nelson** have enrolled in Penn's Certificate in Climate Change to gain expertise and perspective.



**Dr. Scott Weese** is a veterinary internal medicine specialist and the chief of infection control at U of G's Ontario Veterinary College.

He is an expert in infectious and parasitic animal disease, including rabies, tick-borne diseases, antimicrobial resistance, and emerging diseases – and hosts the popular blog, *Worms and Germs*