



Who's Who in Students for One Health (SOH)



Penn Vet One Health Club

- 1. Organization/ Group Name and website url, Facebook, Twitter:**
Penn Vet One Health Club
- 2. SOH group unique email address for sustained communications:**
pennvetohc@gmail.com
- 3. Officers / Key Collaborators / Participants and contact information**
President: Souci Louis – souci@vet.upenn.edu
Vice President: Caroline Solomon - socaro@vet.upenn.edu
Secretary: Mary Jane Drake - drakem@vet.upenn.edu
Treasurer: James Ferrara - jafe@vet.upenn.edu
Research Coordinator: John Cain - johncain@vet.upenn.edu
Outreach Coordinator: Amanda Carmellini - acarm@vet.upenn.edu
- 4. Address of SOH Group**
3800 Spruce St, Philadelphia, PA 19104
- 5. Sources of funding for Group**
SCAVMA dues, Fundraising, GAPSA Funding
- 6. Your One Health Activities/Initiatives**
Fall 2017:
 - The Buzz About Bees
Interested in Honey Bees? Learn the basics of honey bee medicine, understand why veterinarians are needed in the aviary, know how to comply with the Veterinary Feed Directive when treating bee colonies, and decide whether to pursue further continuing education related to honey bees.
 - One Health Club Interest Meeting
Lunch talk highlighting projects in One Health that some of our second and third year students took part in or are currently working on. This is a great opportunity

for anyone interested in the intersection of human, animal, and environmental health to learn how veterinary students can do their part.

- World Rabies Day

The PennVet One Health Club & Penn Med Infectious Disease Club hosted a lunch talk for World Rabies Day. This talk featured Dr. Gary Smith, a former professor at the Veterinary School, and Dana Perella, an epidemiologist and the Program Manager for Acute Communicable Diseases at the Philadelphia Department of Health. World Rabies Day is the first and only global day of action and awareness for rabies prevention. This was an excellent opportunity to learn more about this disease affecting both humans and animals from experts in the field!

- Monthly DHA One Health Clinic

The Delaware Humane Association (DHA) One Health Clinic is a monthly, small low income veterinary clinic that is operated out of the Henrietta Johnson Medical Center in Wilmington, Delaware. This is a partnership between veterinarians and veterinary technicians associated with DHA, pre-veterinary students from the University of Delaware, and PennVet students.

At the clinic, veterinarians and veterinary students perform a full physical exam, provide core vaccinations, and discuss and provide general health care basics with the help UD students. We also provide education on how to reduce transmissible diseases between pets and their caregivers, and provide medications to help prevent these risks to the families, all at no cost. Additionally, there is a human medicine professional on site to answer any human health concerns and direct the clients to the human treatment area of the building. There is also opportunity to discuss interdisciplinary rounds among staff after seeing appointments.

- Second Annual Fish Week (See flyer)

A week long opportunity to celebrate all of our aquatic friends, their role in global food security and human health, and the conservation efforts that are so vital in their survival.

Aquatic Animal Welfare

A discussion of trends in animal welfare as it pertain to aquatic animals.

Fish Zoonoses - A Lab OpporTUNAty

Small groups worked through 4 diagnostic cases with a One Health approach.

Environmental and Aquatic Toxicology

Students learned about the toxicology in an aquatic environment along with interesting case studies!

NOAA Fisheries and One Health

Students learned about the NOAA Fisheries and their contribution to One Health!

From the field to the lab; Understanding diseases that impact wild fish populations in NJ

The fish health program within the N.J. Division of Fish and Wildlife oversees fish health in the state's fish hatcheries, investigates fish kills in wild populations, and

conducts disease surveillance in various fish species. This presentation discussed cases that exemplify diseases in wild fish populations within the region. Fish mortality in the wild may be caused by various etiologies including infectious agents and environmental factors. Several fish health cases were highlighted, discussing field observations, diagnostics, and laboratory methods that can aid in understanding the biology of these pathogens. Notable cases including viral diseases in fish, and a novel bone-breaking parasite that may compromise the health of young-of-the-year river herring were discussed.

Seafood Sustainability

The socioeconomic impact of our world's fisheries

With the the world population slated to double in the next 30 years, demand will double and our already protein short world will get even worse. Seafood prices are already absurdly high and will get even higher. This presentation discussed the variety of factors concerning sustainability including biomass assessment, the stakeholders, GMO seafood, and the future of aquaculture.

Microbial Community Structure and Function Associated with Dichloromethane Contaminated Groundwater

Students learned about comparing microbial community structure between fracked and unfracked streams in central Pennsylvania.

Adventures in Aquatic Animal Care

Students learned how to handle various aquatic creatures such as performing a shark exam and listened to a variety of interesting cases which will likely include penguins, hippos, sharks and rays, teleosts, reptiles and much more.

Delaware Humane Association One Health Clinic

This presentation discussed the opportunity to participate in the One Health Clinic.

Wildlife Disease Association: Career Round Table

Opportunity to network with a variety of veterinary professionals in the field of Comparative Medicine!

Comparative Anatomy and Necropsy Techniques in Finfish

This lab combined an introductory presentation and a wet-lab to overview necropsy methods in finfish. Comparative anatomy and fish health examples were discussed to provide a clinical perspective. A diversity of fish species were examined to gain a better understanding of comparative anatomy and necropsy techniques. The lab introduced general concepts of fish anatomy to develop a better understanding of fish diseases, highlight important considerations for sample collection, and provide an opportunity for hands-on experience for performing a fish necropsy.

- Penn Inter-Health School Anatomy Exchange

The Penn Vet One Health Club and the Penn Med school have collaborated again this year to bring you the Anatomy Exchange! This was a unique opportunity to

go to the medical school to see the cadavers and learn a little bit about human anatomy, as well as to show medical, dental, and nursing students around our very own anatomy lab. Dr. Peter Dodson (Professor of Paleontology and Anatomy) gave a brief comparative anatomy lecture. We then split into two groups to visit the vet and med school anatomy labs. Student hosts were at each cadaver to answer any questions and point out interesting structures.

- Q Fever Case Study
Friday evening case study discussion led by THE Dr. Stephen Cole about Q Fever.
- Global Health Student/Faculty Mixer
First Annual Global Health Happy Hour where you could meet, mingle, and possibly mentor (for you, Faculty), or be mentored (for you, Students) around a future in Global Health. This event created a thriving network at the University of Pennsylvania around our mutual interest in service, research, and work abroad.
- Antimicrobial Resistance in Human and Veterinary Medicine (See flyer)
One Health Club and the Student Healthcare Alliance at Penn came together to create this unique look into how human and veterinary medicine intersect when it comes to antimicrobial resistance and antibiotic stewardship. Participants met students from other Penn health profession schools and heard from experts on both the animal and human sides.

Spring 2018:

- One Health and Public Parks
Urban parks provide many benefits to human health, animal health, and the environment, however they also provide opportunity for deleterious impacts. How do we balance those concerns with the clear benefits that green spaces provide? Students discussed these topics at this lunch talk.
- What the Health Screening & Discussion (See flyer)
PennVet's One Health Club and Food Animal Club screened "What the Health?", a documentary about human nutrition and food animal products. This was followed by a panel discussion with a veterinarian, nutritionist, marketing expert, and more!
- First, Do No Harm: International Trips Discussion
Students from different international groups had the opportunity to discuss differences in their trips to contribute to better service outcomes for the people and the countries that the trips impact. The first 30 minutes was a lecture on international development work. Then, students from different international trips split off into discussion groups. Discussion questions focused on three big assessments: first assessing one's own motivation to engage in global health. This includes addressing issues of cultural paternalism, humility, medical tourism/voyeurism and promoting an experience of education versus an experience of service. The second assessment was weighing the impact one may have: taking up already scarce resources of education, draining the system and inadvertently undermining the local health care system. Finally, the discussion moved on to how to prepare for challenges, for example, being asked to do things beyond one's training.

Overall this was be a safe space to talk about how we can make our trips better, aiming for sustainability, minimizing the harms and finding a balance. This

includes discussion about what is a "fair partnership"?, how can we define our roles in meaningful ways, and how we understand what we are doing and why we're doing it.

- The Opioid Crisis: Interdisciplinary Perspectives
Students from all of Penn's health schools to heard from faculty experts on how different disciplines are tackling the opioid epidemic. Each faculty member gave a brief TED talk-style presentation.
- One Health and Antibiotic Stewardship in the Swine Industry
One Health Club hosted Dr. Heather Fowler, a PennVet alum who now serves as the Director of Producer and Public Health for the National Pork Board. She discussed One Health and Antimicrobial Stewardship.
- USDA APHIS Avian Influenza Wet lab & Lunch talk
LUNCH TALK: *Dr. Detwiler discussed the role of APHIS in public health and public practice veterinary medicine in general.*
WET LAB: *Students participated in a mock epidemic of Avian Influenza.*

7. Brief History of Your Organization's One Health Involvement

The purpose of the Penn Vet One Health Club is to oversee all events and opportunities related to the intersection of human, animal, and environmental health (One Health), events that focus on interdisciplinary/interprofessional collaboration and also concern global health and international development (including research, summer trips, and projects), events that include other schools here at Penn and other universities. We also disseminate information about research that focuses on the intersection of human, animal, and environmental health, information on public health, public policy, legislative, government, and international events and opportunities, and about careers in One Health and public veterinary medicine.

8. Supporting Faculty

Dr. Shelley Rankin, Dr. Stephen Cole

9. Additional Information

<https://vimeo.com/127722934>



WET LAB
SATURDAY, NOV 4
WITH DR. JAN LOVY

Comparative Anatomy and
 Necropsy Techniques in
 Finfish

• PENNVET'S SECOND ANNUAL •

FISH WEEK

ANIMAL HEALTH, ECOSYSTEM HEALTH, AND FOOD
SECURITY

MONDAY, OCT 30

DR. GARY EGRIE - USDA APHIS VS Aquatic Animal Welfare	HILL PAVILION ROOM H131 12 - 1PM
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DR. STEPHEN COLE - PENN VET Fish Zoonoses: A Lab OpporTUNAty	ROSENTHAL ROOM MDL 12 5 - 7PM
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TUESDAY, OCT 31

DR. LISA MURPHY - PADLS Environmental and Aquatic Toxicology	HILL PAVILION ROOM H131 12 - 1PM
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DR. JANET WHALEY - NOAA NOAA Fisheries and One Health	HILL PAVILION ROOM H131 5 - 6PM
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WEDNESDAY, NOV 1

DR. JAN LOVY - N.J. DIVISION OF FISH & WILDLIFE From the Field to the Lab	HILL PAVILION ROOM H131 12 - 1PM
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TIM SUGHRUE - CONGRESSIONAL SEAFOOD COMPANY Seafood Sustainability	RYAN VET HOSPITAL ROOM B101 4 - 5:30PM
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THURSDAY, NOV 2

DR. REGINA LAMENDELLA - JUNIATA COLLEGE Microbial Community Associated with Contaminated Groundwater	HILL PAVILION ROOM H131 12 - 1PM
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DR. DONALD STREMME - AQUAVET Adventures in Aquatic Animal Care	HILL PAVILION ROOM H131 5 - 6PM
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FRIDAY, NOV 3

DR. KRISTIN JANKOWSKI - VSCD DHA One Health Clinic	HILL PAVILION ROOM H131 12 - 1PM
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DR. PETER DIGERONIMO - PENN VET Career Round Table	HILL PAVILION ROOM H132 5PM
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VET-MED COLLAB LECTURE

ANTIMICROBIAL RESISTANCE IN VET AND HUMAN MEDICINE

And what you should do about it



MONDAY, DEC 4, 6-7 PM
JORDAN MEDICAL EDUCATION CENTER
LAW AUDITORIUM
3400 CIVIC CENTER BLVD
5TH FLOOR OF PERELMAN CENTER FOR
ADVANCED MEDICINE

DINNER WILL BE PROVIDED

African Health Interest Group, Global Health Interest Group, and
Penn Global Surgery Group present

GLOBAL HEALTH



FACULTY-STUDENT HAPPY HOUR

WHAT

MEET FACULTY AND STUDENTS INVOLVED IN GLOBAL HEALTH

WHERE

BEN FRANKLIN ROOM,
HOUSTON HALL

WHEN

MONDAY, DECEMBER 4TH
5:00-6:30 PM





**WHAT
THE
HEALTH**

**JANUARY 29
HILL PAVILION 131**

**PENNVET'S
ONE HEALTH CLUB AND
FOOD ANIMAL CLUB INVITE
YOU TO A SCREENING OF**

"WHAT THE HEALTH"

5-6:30 PM

**TO BE FOLLOWED BY
PANEL AND DISCUSSION**

6:30-8 PM

**WITH PANELISTS:
MICHAEL PESATO, DVM
JASON RIIS, PHD
MONIQUE DOWD, MA, LDN
AND MATTHEW MCCOY, PHD**