



THE UNIVERSITY OF ARIZONA  
HEALTH SCIENCES

One Health

ONE HEALTH INITIATIVE

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**ONE HEALTH WINTER 2025 SYMPOSIUM**  
**The UA Student Union North Ballroom**  
**Friday, February 7, 2025**

**PRESENTATIONS: PILOT PROJECTS / POSTDOCTORAL FELLOWS**

- |                     |   |
|---------------------|---|
| 9:05 am - 9:20 am   | Detection and remediation of PFAS by counterplotting PFAS transport mechanisms in the human body<br>SeungJu Choi  |
| 9:20 am - 9:35 am   | Chemical modification and repurposing of blister beetle toxins to treat cancer<br>Kevin Andre Scott   |
| 9:35 am - 9:50 am   | Impacts of heat stress on ADME processes<br>Paxton Sample   |
| 9:50 am - 10:05 am  | Impact of a prior SARS-CoV-2 infection on the vaginal microenvironment<br>Paweł Łaniewski   |
| 10:05 am - 10:20 am | Q&A   |
| 10:20 am - 10:35 am | One breathe in the wake of wildfires: dust generation and contaminant exposures from the release and remobilization of contaminants<br>Mónica Ramírez-Andreotta |
| 10:35 am - 10:50 am | Animal models of adverse respiratory and reproductive health effects of environmental fire smoke exposure<br>Zelieann R Craig                                   |
| 10:50 am - 11:05 am | Exposure to toxic metal(loid)s via breastmilk and stunting in infants living in the Lake Atitlán watershed, Guatemala<br>Sandra F Rodriguez Quintana            |
| 11:05 am - 11:20 am | Beyond borders: understanding the interconnections between human, animal, and environmental health in the Amazon<br>Purnima Madhivanan                          |
| 11:20 am - 11:35 am | Q&A   |
| 12:45 pm - 1:00 pm  | Advancing environmental surveillance: tracking influenza A virus circulation through a One Health lens<br>Kelly A Reynolds                                      |
| 1:00 pm - 1:15 pm   | Exploring the epidemic landscape: spatial models predict phenological shifts in mosquitoes and West Nile Virus emergence<br>Desiree Andersen                    |
| 1:15 pm - 1:30 pm   | Identifying the edaphic factors controlling the presence of the fungi <i>Coccidioides</i> spp. in soils of the Sonoran Desert<br>Nastasia Baudin                |

- 1:30 pm - 1:45 pm Targeted assessment of disinfection-resistant adenoviruses in water purification processes for potable reuse  
Walter Q. Betancourt
- 1:45 pm - 2:00 pm Q & A
- 2:00 pm - 2:15 pm The impact of service dog partnerships on sleep quality for veterans with posttraumatic stress disorder (PTSD)  
Stephanie Bristol
- 2:15 pm - 2:30 pm Psychiatric service dogs and prolonged exposure therapy for military-connected PTSD: a transdisciplinary, One Health approach  
Sarah Leighton
- 2:30 pm - 2:45 pm Inequities in post-hurricane recovery patterns across sociodemographic dimensions  
Chris Lim
- 2:45 pm - 3:00 pm Understanding the impact of tropical cyclones on human and environmental health  
Osaretin Atinuke Olurotimi
- 3:00 pm - 3:15 pm TBA  
Mona Arora
- 3:15 pm - 3:30 pm Q&A