

ITP Symposium March 21-22, 2022 (all times are Central)

Monday, March 21, 2022

8:30-8:35 Welcome Dr. David Wallace (ITP co-director)

ITP Fellows Presentations (moderator, Dr. David Wallace)

8:40 **Sarah Hileman** - Polycyclic Aromatic Hydrocarbon and Metal Contamination in Urban Playground Soils throughout Oklahoma City

9:00 **Md. Ibrahim** - Measurements of toxicity and bioavailability of Ag - Cu mixtures in the rainbow trout gut cell line (RTgutGC)

9:20 **Ryan Grewe** - Calibration of Integrative Passive Samplers for Analysis of Total Microcystins

9:40 **Justin Scott** - In Vitro Tier Based Approach to Predict Acute Whole Effluent Toxicity in Fish

10:00 **Carrie Klase** - Pesticides Detected in Honey Bee Hive Pollen at Three Land Use Types (Wheat Crops, Canola Crops, and Grasslands) in North-central Oklahoma and Potential Effects on Honey Bee Hive Health

10:20 **Landon Butler** - Interactive Effects of Diisopropylfluorophosphate and atropine on Cholinergic Signs of Toxicity, Forced Swim Behavior, and Monoamine Signaling in Rats

10:40 **Shauni Windle** - The effect of 17 β -estradiol and atrazine on Blanchard's cricket frog (*Acris blanchardi*) development

11:00-12:50 Lunch Break

Past ITP Fellows Presentations (Moderator Sarah Hileman)

12:50-1:20 **Dr. Adam Simpson**

1:20-1:50 **Dr. Chris Goodchild**

1:50-2:20 **Dr. Shane Morrison**

2:20-2:30 - Break

Undergraduate/Graduate Student Poster Session (moderator, Sarah Hileman, GSIT President)

2:30 Sarah Hileman - Poster session guidelines

2:40-3:20 Poster presentations

3:20 Closing Remarks Dr. Jason Belden (ITP co-director)

Tuesday, March 22, 2022

9:00-9:05 Welcome Dr. David Wallace

ITP Faculty Research Spotlights (moderator, Dr. David Wallace)

9:05-9:35 Dr. Babu Fathepure, Professor, Microbiology, OSU-STW

9:35-10:05 Dr. Rob Burnap, Professor, Microbiology, OSU-STW

10:05-10:35 Dr. Andy Dzialowski, Associate Professor, Integrative Biology OSU-STW)

10:35-11:05 Dr. Randall Davis, Professor of Pharmacology, Associate Dean of Biomedical Sciences, Director, Biomedical Sciences Graduate Program, OSU-CHS, Tulsa

11:05-11:35 Dr. Josh Butcher, Assistant Professor, Physiological Sciences, OSU STW

11:35-12:05 Dr. Myron Hinsdale, Associate Professor, Physiological Sciences

12:05-1:15 Lunch Break

1:15-1:45 Dr. Gerwald Koehler, Professor of Biochemistry and Microbiology, OSU-CHS-Tulsa

1:45-2:15 Dr. Sundar Madihally, Professor Chemical Engineering OSU-STW

Plenary Speakers (moderator, Dr. Jason Belden)

2:15-3:10 Dr. Jeff Wolf, Experimental Pathology Laboratories

3:10-4:05 Dr. Nancy Denslow, University of Florida

4:05-5:00 Dr. Rebecca Fry, Univ of North Carolina, Carol Remmer Angle Distinguished Professor & Professor, Department of Environmental Sciences and Engineering

Title: *The placenta: a recorder and transducer of prenatal environmental toxics*

5:00- Closing Remarks and Information for Reception - Dr. Jason Belden

5:30-6:30 Reception/Announcement of Awards

Zoom Link for Symposium:

Monday: <https://zoom.us/j/5764894870>

Tuesday: <https://zoom.us/j/6491059985>