The annual Interdisciplinary Toxicology Symposium provides an opportunity for exchange among students, interdisciplinary faculty and leading experts.

**Posters (10:00-12:00)**

**Lunch (12:00-1:00)**

**1:00-1:10 Welcome**

**ITP Graduate Fellows (1:10-2:10)**

1:10-1:25 Debarati Chanda, Comparative Biomedical Sciences
1:25-1:40 Md Ibrahim, Integrative Biology
1:40-1:55 Dean Oldham, Integrative Biology
1:55-2:10 Justin Scott, Integrative Biology

**Break 2:10-2:25**

**Invited Speakers**

**Dr. Stacey Harper, Ph.D.**
Stacey Harper is Associate Professor of Nanotoxicology in the Department of Environmental & Molecular Toxicology and the School of Chemical, Biological & Environmental Engineering at Oregon State University. In her current research, she uses rapid assays with whole organisms and communities of organisms to evaluate the biological activity and toxic potential of diverse nanomaterials, including nanoplastics. Dr. Harper was highlighted as one of the Women in Nanotechnology by the National Nanotechnology Coordination Office for Women’s History Month. She will present “Integrative nanotoxicology: linking rapid assays and informatics to understand nanomaterial-biological interactions” (2:30-3:15).

**Dr. Pratul Agarwal, Ph.D.**
Dr. Agarwal previously held positions at University of Tennessee, Knoxville and Oak Ridge National Laboratory. He serves on the Editorial Board of the journal Microbial Cell Factories, and is an Editor for PLoS ONE. He has served on a number of national and international scientific review panels for U.S. (NSF/NIH/EPA/DARPA), Swiss, Italian, and Polish governments. He holds 3 patents and with 4 patent applications pending. He will present “Computing in 2020: What can it do for Toxicology Research?” (3:20-4:05).

**Dr. Tim Shafer, PhD.**

Research Toxicologist, Biomolecular and Computational Toxicology Division, Center for Computational Toxicology and Exposure, United States Environmental Protection Agency. The focus of Dr. Shafer’s research career has been examining mechanisms of neurotoxicants mediated through disruption of ion channels and cellular neurophysiology. A variety of approaches have been utilized including patch-clamp recordings, oocyte recordings and imaging using ion- or voltage-sensitive dyes. Currently, Dr. Shafer’s research is focused on using microelectrode arrays to develop medium throughput screens for neurotoxicity and developmental neurotoxicity. Dr. Shafer was a member of the ALTOX3/NAL study section at NIH and the Society of Toxicology Program Committee. He is an Associate Editor for the journal NeuroToxicology and on the Editorial Board of Toxicology and Applied Pharmacology. He will present the 20th annual Sitlington Lecture entitled “Novel approaches to protecting the developing nervous system from chemical hazards in an era of animal-free testing”. (4:10-4:55).

**Poster Awards (5:00-5:15)**

Posters:

Graduate: 1st, 2nd and 3rd place
Undergraduate: 1st and 2nd place

**Adjourn (5:20)**