

# Yale SCHOOL OF PUBLIC HEALTH

## *Environmental Health Sciences*

### **“Harnessing Multidimensional Zebrafish Data to Advance Environmental Health Sciences”**



**Robert Tanguay, Ph.D.**  
**Professor of Molecular Toxicology**  
**Department of Environmental and Molecular Toxicology**  
**Oregon State University**

**Bio:** Robert Tanguay is a Distinguished Professor in the Department of Environmental and Molecular Toxicology, the Director of the Oregon State University Superfund Research Program, Director of the Sinnhuber Aquatic Research Laboratory, Director of the OSU Environmental Health Sciences Center, and Director of the NIEHS supported training program. He received his B.A. in Biology from California State University-San Bernardino, his PhD in Biochemistry from the University of California-Riverside and postdoctoral training in Developmental Toxicology from the University of Wisconsin-Madison. He serves on a number of academic, commercial and federal advisory boards and is on the editorial board for several scientific journals. He has authored more than 200 manuscripts and book chapters across numerous disciplines. Over the past several years, he has pioneered the use of zebrafish as a systems toxicology model and recently developed automated high throughput instrumentation and workflow to accelerate phenotype discovery in zebrafish. A major focus of his research is to identify chemicals and mixtures that produce neurotoxicity. Phenotypic anchoring coupled with the inherent molecular and genetic advantages of zebrafish are used to define the mechanisms by which chemicals, drugs and nanoparticles interact with and adversely affect vertebrate development and function. These tools are also now routinely used to assist in the development of inherently safer chemicals and nanoparticles.

**12:00 p.m. Wednesday, February 7, 2018**  
**60 College Street, Winslow Auditorium\***

*\*pizza lunch (LEPH 101)*