



# Population-Based Model Organism Research for G x E Exploration

April 29, 2021

## Agenda

9:00-9:10 AM	Rick Woychik (Director of NIEHS) welcoming remarks
9:10-9:20 AM	Kim McAllister – introductory remarks
9:20-10:00 AM	Group 1 – <a href="#">The Medaka Kiyosu Panel: Dissecting GxE effects of Environmental Chemicals</a> , Ewan Birney
10:00-10:40 AM	Group 2 – <a href="#">Genetic Underpinning of Diabetes Associated with Arsenic Exposure</a> , Fernando Pardo-Manuel de Villena
10:40-11:20 AM	Group 3 – <a href="#">Genetic Factors that Influence Arsenic Toxicity</a> , Gary Churchill
11:20-12:00 PM	Lunch Break
12:00-12:40 PM	Group 4 – <a href="#">Chromatin Regions, Genes and Pathways that Confer Susceptibility to Chemical Induced DNA Damage</a> , Ivan Rusyn
12:40-1:20 PM	Group 5 – <a href="#">Improved Methods for Inference of Genotype-specific Response to Environmental Toxins</a> , Julien Ayroles
1:20-2:00 PM	Group 6 – <a href="#">Toxicogenomics of Metal Response in Genetically-Variable Drosophila Populations</a> , Stuart Macdonald
2:00-2:20 PM	Break
2:20-3:00 PM	Group 7 – <a href="#">Discovery of Conserved Molecular Mechanisms Underlying Population-wide Variation in Toxin Responses</a> , Erik Andersen
3:00-4:15 PM	Challenges and opportunities with this field moving forward
4:15 PM	Adjourn