



Gordon Research Conferences

Cellular and Molecular Mechanisms of Toxicity

13-18 August 2023

Proctor Academy, Andover, New Hampshire, USA

Chair: Rhiannon N. Hardwick, Bristol Myers Squibb
Vice Chair: Heather M. Wallace, University of Aberdeen



PRELIMINARY PROGRAM

Sunday, 13 August

Keynote Session: Gene Essentiality and Functional Genomics for Mechanistic Toxicology

Discussion Leader: Muireann Coen – AstraZeneca/Imperial College London

Jason Sheltzer – Yale School of Medicine

Keren Carss – AstraZeneca

Welcome Reception

Monday, 14 August

Session I: Artificial Intelligence in Toxicology and its Role in Decision Making

Discussion Leader: Ruth Roberts – ApconIX

Shraddha Thakkar – US FDA

Ronald Tjalkens – Colorado State University

Matt Martin – Pfizer

Presentations selected from abstracts (2)

Power Hour Session: Women in Science and Intersectional Identities

Discussion Leaders: Samantha Snow – ICF & Sarah Lacher – University of Minnesota

Session II: The Cellular Microenvironment in Tissue Health, Disease, and Toxic Exposure Outcomes

Discussion Leaders: Shaun McCullough – US EPA & Kymberly Gowdy – The Ohio State University

Ana L. Mora – The Ohio State University

Matthew Campen – University of New Mexico

Stavros Garantziotis – NIEHS

Tuesday, 15 August

Session III: New Modalities, Mechanisms, and Methods in Neurotoxicity

Discussion Leaders: Matthew Wagoner – Takeda & Eric McDuffie – Neurocrine

Tim Shafer – US EPA

Mohamed Kreir – Janssen

Nibha Mishra – Takeda

Presentations selected from abstracts (2)

Session IV: Novel Mechanisms Regulating Environmental Toxicant Metabolism

Discussion Leaders: Danielle Carlin – NIEHS & Lauren Aleksunes – Rutgers University

Jamie Bernard – Michigan State University

Weston Porter – Texas A&M University

Jonathan Doorn – University of Iowa

Wednesday, 16 August

Session V: Modern Approaches in Developmental Toxicity Testing

Discussion Leaders: Karilyn Sant – San Diego State University & Jessica LaRocca – Corteva Agrisciences

George Daston – Proctor & Gamble

Maria Bondesson – Indiana University

Thomas Knudsen – US EPA

Presentations selected from abstracts (2)

Session VI: A Mechanistic View of Mixtures Toxicology from Human Health to Ecological Health

Discussion Leader: Phillip A. Wages – Estée Lauder Companies

Cynthia Rider – NIEHS/NTP

Paul Price – US EPA

Rolf Altenburger – Helmholtz Centre for Environmental Research

Thursday, 17 August

Session VII: Early Career Investigators in Mechanistic Toxicology

Discussion Leaders: Heather Wallace – University of Aberdeen, Cassandra Meakin (GRS Co-Chair) – Gradient, Katelyn Lavrich (GRC Co-Chair) – US EPA

4 Presenters to be selected Fall 2022

Graduate Student and Postdoc Presenters to be selected at associated Gordon Research Seminar (GRS)

Keynote Session: Mechanisms of Protein Degradation by Immunomodulatory Drugs and Targeted Protein Degraders

Discussion Leader: Peter Newham – AstraZeneca

Eric Fischer – Harvard University

Kevin Moreau – AstraZeneca

Friday, 18 August

Farewell Breakfast & Departure

Additional Details

Registration is open until 16 July 2023

Apply & submit an abstract early to be considered for a late-breaking talk

An associated Gordon Research Seminar, organized by & for trainees will be held 12-13 August 2023

For details:

