



Annual Meeting & ToxExpo
VIRTUAL EVENT • MARCH 2021

IAT

Innovations in Applied Toxicology

The Methodological Road Toward Single Cell High-Throughput Transcriptomics (scHTTr)

Chairs

Brian Chorley, PhD (US Environmental Protection Agency)

Oswaldo Lozoya, PhD (National Institute of Environmental Health Sciences)

March 16, 2021

2:45 – 4:15 PM (Eastern)

ENDORSERS



This presentation does not necessarily reflect EPA policy. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.



OBJECTIVES

- **Learn** about new methods that will enable higher throughput implementation of single cell transcriptomics
- **Explore** pharmacologic and toxicologic applications of scHTTr
 - **Screening** approach for cancer therapeutics
 - **Discover** immunotoxic effects of environmental pollutant exposure



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PRESENTATIONS

Reducing Read Depth and Increasing Throughput and Sensitivity for Single Cell Transcriptomic Analysis Using Single Cell TempO-Seq

Bruce Seligmann, PhD

BioSpyder Technologies Inc., San Diego, CA

Defining Drug-Induced Molecular Landscapes with Multiplex Single Cell Genomics

Jose McFaline-Figueroa, MD, PhD

Columbia University, New York, NY

Exposure to Polycyclic Aromatic Compound Mixtures Impacts Resident Immune Cell Progenitors in the Bone Marrow of Adult Mice

Oswaldo Lozoya, PhD

NIEHS, Research Triangle Park, NC



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You may submit your questions in the chat box

A live

Question and Answer Session

will occur at the end of the workshop