

## SATURDAY, AUGUST 28<sup>th</sup>, 2027

### WORKSHOP: GOING THE LAST MILE....INTEGRATING NAMS INTO REGULATORY RISK ASSESSMENT

10:00 AM - 12:30 PM

**Chairs:** Rosalie Elespuru, Laura Markley

- Tox Tracker (Giel Hendriks)
- TGX-DDI or EC DS sequencing (Carole Yauk)
- Multi-Flow (Steve Dertinger)
- HepaRG cell lines (Stefan Pfuhler)

### KEYNOTE LECTURE

4:30 - 5:30 PM

**4:30 - 5:30 PM | K01**

Karlene Cimprich, *Stanford University*

### WELCOME RECEPTION

5:30 PM - 8:30 PM

## SUNDAY, AUGUST 29<sup>th</sup>, 2027

### SYMPOSIUM 1: BEYOND THE NOISE: SINGLE-CELL EPIGENETICS IN ENVIRONMENTAL MUTAGENESIS

8:00 - 10:00 AM

**Chairs:** Pini Perera, Hong Ji, Evan Holmes

**8 :00 - 8 :30 AM | S01**

Chenzu Zhu, *Cornell and New York Genome Center*

**8 :30 - 9 :00 AM | S02**

Michael Wells, *University of California, Los Angeles*

**9:00 - 9 :30 AM | S03**

Alex K. Shalek, *Massachusetts Institute of Technology*

**9:30 - 9 :45 AM | S04**

TBD

**9:45 - 10 :00 AM | S05**

TBD

### SYMPOSIUM 2: SPATIAL OMICS: NEW FRONTIERS IN TOXICOLOGY AND GENOTOXICITY

8:00 - 10:00 AM

**Chairs:** Natalie Gassman, Thomas Wilson, Jacinth Thamadapalle

**8 :00 - 8 :30 AM | S06**

Jennifer Kay, *Silent Spring Institute*

**8 :30 - 9 :00 AM | S07**

Tian (Autumn) Qiu, *Michigan State University*

**9:00 - 9 :30 AM | S08**

Justin Colacino, *University of Michigan*

**9:30 - 9 :45 AM | S09**

TBD

**9:45 - 10 :00 AM | S10**

TBD

# SUNDAY, AUGUST 29<sup>th</sup>, 2027

## AWARD LECTURE

10:30 - 11:30 AM

**10:30 - 11:30 AM | L01**

TBD

## PLATFORM 1

2:15 - 4:15 PM

## PLATFORM 2

2:15 - 4:15 PM

## POSTER SESSION 1

2:15 - 4:15 PM

## MONDAY, AUGUST 30<sup>th</sup>, 2027

### SYMPOSIUM 3: THE IMPACT OF DYNAMIC DNA STRUCTURES ON DNA FIDELITY DURING TRANSCRIPTION, REPLICATION AND REPAIR

8:00 - 10:00 AM

**Chairs:** Kara Bernstein, Karen Vasquez, Guliang Wang

**8 :00 - 8 :30 AM | S11**

Anna Malkova, *University of Texas Health San Antonio*

**8 :30 - 9 :00 AM | S12**

Amy Whitaker, *Fox Chase Cancer Center*

**9:00 - 9 :30 AM | S13**

Sergei Mirkin, *Tufts University*

**9:30 - 9 :45 AM | S14**

TBD

**9:45 - 10 :00 AM | S15**

TBD

### SYMPOSIUM 4: REPRODUCTIVE AND DEVELOPMENTAL ORIGINS OF ENVIRONMENTAL DISEASE: GERM CELL TARGETS, EPITRANSCRIPTOMIC DISRUPTION, AND LONG-TERM HEALTH RISKS

8:00 - 10:00 AM

**Chairs:** Hong Ji, Brandon Pearson, Guru Ulaganathan

**8 :00 - 8 :30 AM | S16**

Allison J. Kupsco, *Columbia University Mailman School of Public Health*

**8 :30 - 9 :00 AM | S17**

Thomas Begley, *University at Albany*

**9:00 - 9 :30 AM | S18**

Shuk-Mei Ho, *University of Arkansas for Medical Sciences*

**9:30 - 9 :45 AM | S19**

TBD

**9:45 - 10 :00 AM | S20**

TBD

# MONDAY, AUGUST 30<sup>th</sup>, 2027

## AWARD LECTURE

10:30 - 11:30 AM

**10:30 - 11:30 AM | L02**

TBD

## PLATFORM 3

2:15 - 4:15 PM

## PLATFORM 4

2:15 - 4:15 PM

## POSTER SESSION 2

2:15 - 4:15 PM

## TUESDAY, AUGUST 31<sup>st</sup>, 2027

### SYMPOSIUM 5: DNA REPAIR IN SPACE AND TIME: DYNAMIC CONTROL OF GENOME STABILITY

8:00 - 10:00 AM

**Chairs:** Richard Frock, Justin Leung, Rosevalentine Bosire

**8 :00 - 8 :30 AM | S21**

Richard Adeyemi, *Fred Hutch Cancer Research Center (FHCRC)*

**8 :30 - 9 :00 AM | S22**

Priyanka Verma, *Washington University*

**9:00 - 9 :30 AM | S23**

Gargi Ghosal, *University of Nebraska Medical Center*

**9:30 - 9 :45 AM | S24**

TBD

**9:45 - 10 :00 AM | S25**

TBD

### SYMPOSIUM 6: PUSHING THE LIMITS OF DETECTION: ADVANCES IN ERROR-CORRECTED SEQUENCING

8:00 - 10:00 AM

**Chairs:** Matthew Meier, Shaofei Zhang, Annette Dodge

**8 :00 - 8 :30 AM | S26**

Clint Valentine, *Fulcrum Genomics*

**8 :30 - 9 :00 AM | S27**

Marc Beal, *Merck*

**9:00 - 9 :30 AM | S28**

Anthony Lynch, *GSK*

**9:30 - 9 :45 AM | S29**

TBD

**9:45 - 10 :00 AM | S30**

TBD

Bellevue, WA | August 28 – September 1, 2027

## MONDAY, AUGUST 30<sup>th</sup>, 2027

### AWARD LECTURE

10:30 - 11:30 AM

**10:30 - 11:30 AM | L03**

TBD

### PLATFORM 5

2:15 - 4:15 PM

### PLATFORM 6

2:15 - 4:15 PM

### AWARDS CEREMONY

4:30 - 6:00 PM

### EMGS BANQUET

7:00 – 10:45 PM

## WEDNESDAY, SEPTEMBER 1<sup>st</sup>, 2027

### SYMPOSIUM 7: FROM AI DRIVEN PREDICTION TO DYNAMIC MECHANISMS OF DNA REPAIR

8:00 - 10:00 AM

**Chairs:** Bret Freudenthal, Tyler Weaver, Matt Schaich

**8 :00 - 8 :30 AM | S31**

Ilya Finkelstein, *University of Texas at Austin*

**8 :30 - 9 :00 AM | S32**

Yuan He, *Johns Hopkins University*

**9:00 - 9 :30 AM | S33**

Taekjip (TJ) Ha, *Harvard Medical School*

**9:30 - 9 :45 AM | S34**

TBD

**9:45 - 10 :00 AM | S35**

TBD

### SYMPOSIUM 8: CONTEXT IS EVERYTHING: AI AND MACHINE LEARNING FOR MULTI-OMIC DISCOVERY AND RISK ASSESSMENT

8:00 - 10:00 AM

**Chairs:** Matthew Meier, Carole Yauk, Xiaotong (Vicky) Wang

**8 :00 - 8 :30 AM | S36**

Steven Rozen, *Duke University*

**8 :30 - 9 :00 AM | S37**

Maria Zhivagui, *University of Nevada Las Vegas*

**9:00 - 9 :30 AM | S38**

Jesse Rogers, *Merck*

**9:30 - 9 :45 AM | S39**

TBD

**9:45 - 10 :00 AM | S40**

TBD

Bellevue, WA | August 28 – September 1, 2027

# WEDNESDAY, SEPTEMBER 1<sup>st</sup>, 2027

## KEYNOTE LECTURE

10:30 - 11:30 AM

**10:30 - 11:30 AM | K02**

Gary Miller, *Columbia University Irving Medical Center*