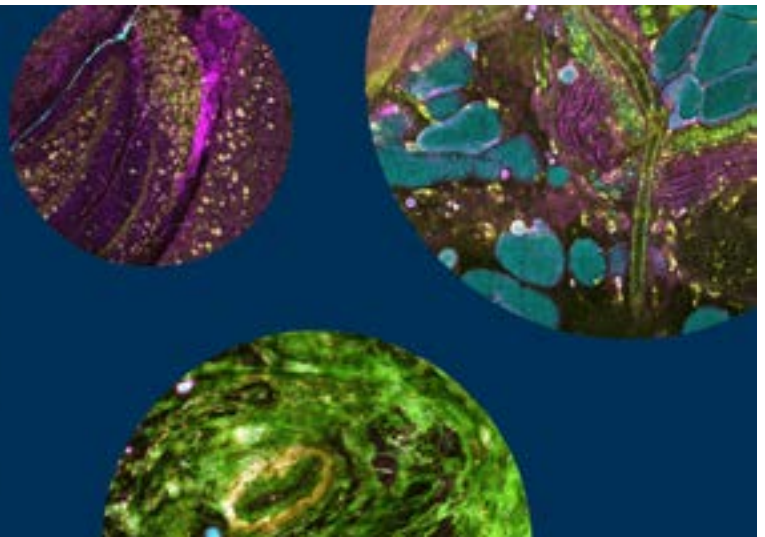




Allen FRONTIERS SYMPOSIUM



Day 1 - Monday, June 24, 2024

9:00-10:00am Breakfast (Bellevue Room)

Allen Frontiers Symposium Commencement (Lake Washington Ballroom)

10:00-10:15am Kathy Richmond, Allen Institute
Welcome and opening remarks

10:15-10:35am *2023 Awardee Introductions*

[2023 ADI Extracellular Vesicles Cohort](#)
Kenneth Witwer, Angela Zivkovic, Wyatt Vreeland
Shinichi Kano
Andrew Chisholm, Ann Wehman
Marni Boppart, Stephen Boppart

[2023 ADI Sex Hormones Cohort](#)
Annegret Falkner, Stephanie Correa, Ed van Veen
Boris Novakovic, Ada Cheung, Rachel Davey, Musa Mhlanga
Mijo Simunovic, Elham Azizi, José McFaline-Figueroa

[2023 ADC for Neuroimmune Interactions](#)
Brian Kim, David Artis

10:35-10:40am Han Arbach, Allen Institute
Fueling Connections Session 1 Introduction

10:40-10:50am **Lydia Kisely, Laura Sanchez**
Expansion Mass Spectrometry: Literally Stretching Metabolite Sensing to New Spatial Limits

10:50-11:00am **Yi Lu**
Spatial nutrientomics based on DNAzyme and DNA aptamer sensors

11:00-11:10am **André Nadler, Meritxell Huch, Alf Honigmann**
Lipid flux: Following lipids through physical and chemical space

11:10-11:20am	Bilal Sheikh , Niculina Musat, Hryhoriy Stryhanyuk <i>Metabolic control over cellular phenotypes</i>
11:20-11:50am	Panel Discussion with Session 1 speakers
11:50-1:30pm	Lunch (Bellevue Room)
1:30-1:35pm	Jessica Iverson, Allen Institute <i>2017 ADC for Human Brain Evolution Introduction</i>
1:35-2:00pm	Christopher Walsh , Michael Greenberg, David Reich <i>ADC for Human Brain Evolution at Boston Children's Hospital and Harvard Medical School</i>
2:00-2:05pm	Jessica Iverson, Allen Institute <i>Fueling Connections Session 2 Introduction</i>
2:05-2:15pm	Abhishek Chatterjee , Eranthie Weerapana <i>Controlled labeling of the nascent proteome to track protein lifespan</i>
2:15-2:25pm	Gary CH Mo <i>Elements from a precise live single cell nano-surgery platform</i>
2:25-2:35pm	Mikhail Savitski , Alexander Aulehla <i>Aging proteins: biology or chemistry? Systematic characterization of young and old proteins in vivo</i>
2:35-3:05pm	Panel Discussion with Session 2 speakers
3:05-3:30pm	Break
3:30-7:00pm	Reception + Poster Session (Bellevue Room)

Day 2 - Tuesday, June 25, 2024	
9:00-10:00am	Breakfast (Bellevue Room)
<i>Risks & Reflections (Lake Washington Ballroom)</i>	
10:00-10:10am	Han Arbach, Allen Institute <i>Opening remarks & Session Introduction</i>
10:10-10:35am	Jay Shendure, Michael Elowitz, Alex Schier Collaborating PI: Carlos Lois <i>ADC for Cell Lineage Tracing at UW Medicine, Caltech, and the University of Basel</i>
10:35-10:50am	Adrian Ranga <i>Actuoids: guided tissue morphogenesis using soft actuation</i>

10:50-11:05am	Pulin Li <i>Engineering the stromal secretome to program organ development and maturation</i>
11:05-11:20am	Nozomu Yachie, Nika Shakiba, Josef Penninger <i>A fate-mapped human pluripotent stem cell library for designer organoids</i>
11:20-1:30pm	Lunch (Bellevue Room)
1:30-1:45pm	Load Buses - Meet in hotel lobby
1:45-2:30pm	Travel to Allen Institute
2:30-2:45pm	Rui Costa, Allen Institute <i>Welcome remarks</i>
2:45-3:30pm	Allen Institute Showcase Lightning Talks
3:30-5:30pm	Reception + Poster Session + Building Tours
5:30-6:00pm	Load Cruise Boat
6:00pm	Cruise Boat Departs
6:00pm	Shuttle Returns to Hyatt Regency Lake Washington
6:30-9:00pm	Boat Cruise across Lake Washington (Dinner and Drinks Provided)
9:00pm	Boat docks at Hyatt Regency Lake Washington

Day 3 - Wednesday, June 26, 2024	
9:00-10:00am	Breakfast (Bellevue Room)
<i>Risks & Reflections (Lake Washington Ballroom)</i>	
10:00-10:05am	Jessica Iverson, Allen Institute <i>Opening remarks & Session Introduction</i>
10:05-10:30am	Brian Kim, David Artis <i>The Peripheral Neuroimmune Frontier</i>
10:30-10:35am	Jessica Iverson, Allen Institute <i>Session and Cohort Introductions</i>
10:35-10:50am	Robyn Crook <i>Building a model of a complex brain unconstrained by shared evolutionary history; sensori-motor integration and plasticity in cephalopod mollusks</i>
10:50-11:05am	Joseph Ryan, Mark Martindale, James Strother <i>Reconstructing the development and functional architecture of the motor neural circuits of the last common animal ancestor</i>

11:05-11:20am	<u>Sarah Slavoff, Grace Chen, Joseph Craft</u> <i>Discovery of micropeptides in human immune cells and systemic lupus erythematosus</i>
11:20-11:35am	<u>Ami Bhatt, Michael Bassik, Livnat Jerby</u> <i>Mining the human gut microbial microproteome for modulators of inflammation</i>
11:35-11:55am	Session introduction & Community Announcements
11:55-12:05pm	Kathy Richmond, Allen Institute <i>Closing remarks</i>
12:05-12:15pm	Live Survey
12:15pm	Lunch <i>Meeting Adjourns</i>