

IRM
RETREAT 2022
APR 27

Franklin Institute Museum of Science
Pepper Hall & Franklin Theater
12 PM - 5 PM



Penn IRM
Institute for Regenerative Medicine

AGENDA

12:00 Registration, Lunch & Poster Session

1:30 Introductory Remarks

Ken Zaret, IRM Director

New Faculty Talks

1:40 Molecular roadmaps of brain development, lineage, and signaling
Bushra Raj

1:50 Circadian rhythms and cell maturation
Juan Alvarez

2:00 Investigating the role of retrotransposon reactivation during preimplantation development
Andrew Modzelewski

IRM Faculty Talks I

2:10 Live cell imaging of allele-specific expression in immune cells
Montserrat Anguera

2:22 Restoring cerebral cortex function after traumatic brain injury using brain organoid transplantation
Stewart Anderson

2:34 The IRM education pipeline, community engagement at the bench and beyond
Jamie Shuda

Trainee Lightning Talks

2:46 *William Benman (Bugaj Lab)*
Justin Burrell (Cullen Lab)
Irene Chiesa (Gottardi Lab)
Joel Rurik (Epstein Lab)
Beth Harvey (Granato Lab)
Joanna Wong (Vaughan Lab)

Open Forum

2:56 *Chris Yarosh, IRM Associate Director for Communications & Operations*

AGENDA (CONT.)

3:06 Break

Collaborative “Pitches”

- 3:26** Development of a novel method for high-quality single cell RNA-seq of human (DRG) neurons
Wenqin Luo
- 3:36** Optical and thermal control of signaling in cells and animals
Lukasz Bugaj
- 3:46** Enhancing regeneration of the corneal endothelium to treat vision loss
Pantelis Rompolas
- 3:56** Introducing the Penn Center for Genome Integrity
Roger Greenberg
- 4:06** If sex as a variable matters why doesn't age?
Thomas Schaer
- 4:16** Current technologies from the iPSC Core
Wenli Yang

IRM Faculty Talks II

- 4:26** Expand hematopoietic stem cells and improve stem cell-based therapy
Wei Tong
- 4:38** Mechanobiology from matrix to nucleus
Dennis Discher
- 4:50 Closing Remarks**
Chris Lengner, IRM Associate Director

5:00 Happy hour

*Please note that all talks will take place in the Franklin Theater (1st Floor) and lunch/happy hour will take place in Pepper Hall & the Patent Library (3rd Floor).

