Symposium
2024

9:30am – 5pm
17 May 2024

IoO Main Lecture Theatre

9:30am Coffee & croissants

4-5pm Drinks

UCL Institute of Ophthalmology

The retina throughout the life course

This symposium brings together world-leading researchers studying the retina at all stages of life. This symposium will highlight the usefulness of a variety of model organisms to understand fundamental mechanisms of retina formation, neuronal differentiation, neurodegeneration, and ageing. There will be ample time for networking with researchers from the USA, Canada, and UK between sessions. Please sign up to attend in person.

Our speakers

10-10:25am

Dr Kristen Kwan, Department of Genetics, University of Utah
Talk title: Retina-lens detachment: an extracellular matric-mediated step of eye development
Website: https://www.kwan-lab.org

10:25-10:50am

Dr Brian Clark, Department of Ophthalmology, Washington University in St. Louis
Talk title: DNA methylation homeostasis during retinal development
Website: https://sites.wustl.edu/clarklabretina/

10:50-11:15am

Dr Phil Ruzycki, Department of Ophthalmology, Washington University in St. Louis)
Talk title: Histone turnover regulates retinal cell fate specification and differentiation
Website: https://ophthalmology.wustl.edu/people/philip-ruzycki-phd/

11:15-11:40am

Prof Robert Hindges, Centre for Developmental Neurobiology, Kings College London
Talk title: Visual plasticity in the retina
Website: https://www.hindgeslab.org

11:40 -1pm Lunch break

1:00- 1:25pm

Dr Anna LaTorre, Department of Cell Biology and Human Anatomy, UC Davis
Talk title: Unique molecular signatures of the developing primate fovea
Website: https://ucd-advance.ucdavis.edu/anna-la-torre

1:25-1:50pm

Dr Manuela Lahne, Institute of Ophthalmology, University College London
Talk title: Regional retinoic acid levels dictate photoreceptor specialisation

1:50-2:15pm

Dr Takeshi Yoshimatsu, Department of Ophthalmology, Washington University in St. Louis
Talk title: Visual competition between the central and peripheral visions
Website: https://sites.wustl.edu/yoshimatsulab/home/

2:15 - 2:45pm Coffee break

2:45-3:10pm

Dr Joel Miesfeld, Ophthalmology and Visual Sciences, Medical college of Wisconsin
Talk title: From development to disease: Does reduced retinal cell genesis cause increased degeneration in glaucomatous mice
Website: https://www.mcw.edu/departments/ophthalmology-eye-institute/research/miesfeld-lab

3:10-3:35pm

Dr Nicole Noel, Institute of Ophthalmology, University College London
Talk title: Age-Related Retinal Disease in the Rapidly Ageing Turquoise Killifish
Website: http://zebrafishucl.org/nicole-noel

3:35-4:00pm

Dr Pierre Mattar, Ottawa Hospital Research Institute, University of Ottawa
Talk title: Nuclear fallout: heterochromatin tethering in photoreceptor degeneration and progeria
Website: https://www.ohri.ca/profile/pamattar/profile

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