

UCLA Intramural Parkinson's Disease Research Symposium

Tuesday, July 7 @ 1:00 pm | Wednesday, July 8 @ 12:00 pm | Friday, July 17 @ 12:00 pm

This intramural symposium was designed to bring UCLA Parkinson's disease (PD) researchers together to further synergize our efforts and make an even greater impact on PD. The event was originally designed as an in-person symposium but will now be held virtually over three days. We invite you to join us.

For non-speaker participants, please register using this link:



Webinar links will be provided upon registration.

For questions, please contact Nader Pouratian, MD, PhD at NPouratian@mednet.ucla.edu

DAY 1: PHYSIOLOGY, CIRCUITS, AND BEHAVIOR

Tuesday, July 7, 2020 | 1:00 pm – 3:30 pm

- 1:00 p.m.** **Welcome**
- 1:05 p.m.** **Michele A. Basso, PhD**
Cognition & Movement in PD – A role for the subcortical circuits in perceptual decision making
- 1:20 p.m.** **William Zeiger, MD, PhD**
Mechanisms of visual cortical circuit dysfunction mediated by α -synuclein
- 1:35 p.m.** **Sotiris Masmanidis, PhD**
Tools for recording aberrant network-level brain activity in mouse models of Parkinson's disease
- 1:50 p.m.** **Discussion/Break**
- 2:05 p.m.** **Nigel Maidment, PhD**
Probing dopamine neurotransmission and neuroprotective strategies in α -synuclein and LRRK2 models of Parkinson's disease
- 2:20 p.m.** **David Krantz, MD; Felix Schweizer, PhD**
Identification of a new pathway by which neuronal excitability might increase the risk of PD
- 2:35 p.m.** **Nader Pouratian, MD, PhD**
Deep Brain Stimulation – Building a roadmap of brain networks to understand and treat Parkinson's
- 2:50 p.m.** **Ausaf Bari, MD, PhD**
The role of norepinephrine in Parkinson's disease
- 3:05 p.m.** **Discussion/Break**
- 3:30 p.m.** **End**

Schedule continued on next page.

Day 2: EPIDEMIOLOGY, TOXICOLOGY, AND GENETICS

Wednesday, July 8, 2020 | 12:00 pm – 2:30 pm

- 12:00 p.m.** **Welcome**
- 12:05 p.m.** **Cynthia Kusters, MD, PhD**
Genetic risk scores and Parkinson's disease
- 12:20 p.m.** **Chao Peng, PhD**
Transmission and conformational diversity of pathological alpha-synuclein
- 12:35 p.m.** **Elizabeth Videlock, MD, PhD**
Altered gene expression in the colon of young mice overexpressing alpha-synuclein
- 12:50 p.m.** **Discussion/Break**
- 1:05 p.m.** **Jeff Bronstein, MD, PhD**
Studying Environmental Risk Factors in PD using Zebrafish
- 1:20 p.m.** **Beate Ritz, MD, PhD**
Risk factor and predictors of progression in Parkinson's disease: a population-based study of patients living in Central California
- 1:35 p.m.** **Allan Wu, MD**
The California Parkinson's disease registry and learning healthcare systems
- 1:50 p.m.** **Kimberly Paul, PhD**
DNA methylation aging and Parkinson's disease in the PEG study
- 2:05 p.m.** **Discussion/Break**
- 2:30 p.m.** **End**

MOLECULAR NEUROSCIENCE AND PHARMACOLOGY

Friday, July 17, 2020 | 12:00 pm – 2:30 pm

- 12:00 p.m.** **Welcome**
- 12:05 p.m.** **Jose Rodriguez, PhD**
Probing the origin and spread of synuclein amyloids through structure-activity relationships
- 12:20 p.m.** **Gal Bitan, PhD**
 α -Synuclein in CNS derived exosomes distinguishes Parkinson's disease from multiple system atrophy
- 12:35 p.m.** **Ming Guo, MD, PhD**
Making Mitochondria Great Again - Mutations in PINK1 and Parkin
- 12:50 p.m.** **Discussion/Break**
- 1:05 p.m.** **Wael El-Nachef, MD, PhD**
The "Second Brain" and Parkinson's Disease
- 1:20 p.m.** **Lin Jiang, PhD**
Exploring the structure and pathogenic action of alpha-synuclein fibrils in PD
- 1:35 p.m.** **Varghese John, PhD**
Neutral sphingomyelinase 2 as a novel target for PD therapeutics development
- 1:50 p.m.** **Sally Frautschy, PhD**
Potential of aSyn-fibril-structure-based peptide inhibitor liganded to nanoparticles (LMNPs) as a MRI-based Biomarker and therapy for Parkinson's Disease (PD)
- 2:05 p.m.** **Discussion/Break**
- 2:30 p.m.** **End**