

美洲華人生物科學學會

Society of Chinese Bioscientists in America

2023 SCBA DC Chapter Annual Scientific Symposium

Saturday, October 7, 2023

Lecture Hall (CHM1407)

University of Maryland, College Park Campus, MD 20742

Co-organizers: **Dr. Yuan Zhu** (Children's National) and **Dr. Wei Li** (NIH/NEI)

Location: Lecture Hall CHM1407 (capacity, 300), the Chemistry Building

The Atrium adjacent to the Lecture Hall for poster sessions, coffee, and lunch

Address: 8051 Regents Drive, College Park

Parking (using this address for google map directions): Regents Drive Garage, 8056 Regents Drive, College Park or other parking lots on the campus (free on Saturday)

Meeting Program

- 8:00-8:45am Registration/Coffee
- 8:45-9:00am Welcome/Opening Remarks (Dr. Mitchell Ho, President of SCBA DC chapter)
- 9:00-10:30am Session I: Neuroscience and Neurological Diseases**
- Co-Chairs:** Dr. Wei Li (NIH/NEI) and Dr. Yihong Ye (NIH/NIDDK)
- 9:00-9:30am Dr. Xinzhong Dong (JHU/HHMI)
- Title: The roles of a GPCR family Mrg in itch, pain, and innate immunity**
- 9:30-9:50am Dr. Hui Lu (GWU)
- Title: The mPFC circuitry of Rett syndrome: Insight into sociability**
- 9:50-10:10am Dr. Shuying Sun (JHU)
- Title: N6-methyladenosine (m6A) regulates RNA metabolism and neurodegeneration in C9ORF72-ALS/FTD**
- 10:10-10:30am Dr. Chuan Wu (NIH/NCI)
- Title: Immune calibration of neuroendocrine homeostasis**

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- 10:30-10:45am** **Coffee break**
- 10:45-12:15pm** **Session II: Cancer Biology and Therapeutics**
Co-Chairs: Dr. Ying Zhang (NIH/NCI) and Dr. Lishan Su (U of Maryland)
- 10:45-11:15am Dr. Paul Liu (NIH/NHGRI)
Title: Familial platelet disorder with associated myeloid malignancies (FPDMM) caused by RUNX1 germline mutations: clinical features and genomic landscapes
- 11:15-11:35am Dr. Chunling Yi (Georgetown)
Title: Explore Epigenetic Mechanisms of Cancer Cell Plasticity and Drug Resistance
- 11:35-11:45pm Dr. Dan Li (NIH/NCI)
Title: Engineered long-acting interleukin-7 improves efficacy of CAR-T cell therapy without compromising safety in solid tumors
- 11:45-12:05am Wei Zheng (NIH/NCATS)
Title: Accelerating lead discovery through drug repurposing screen and AI-based modeling and virtual screen
- 12:05-12:15pm Dr. Yinghua Li (Children's National)
Title: The synergy of MEK and MDM2 Inhibitors Activates p53-mediated Apoptosis and Prevents the Emergence of Distant Resistant NF1/CDKN2A-deficient Tumors
- 12:15 pm-1:15pm** **Lunch Break**
Career round table discussion (Concurrent)
- Moderators:** Dr. Ji Luo (NIH/NCI) and Dr. Zhe Han (U of Maryland)
Career in Biopharmaceutical Industry
- Panelists:** Dr. Angela Zeng (AstraZeneca), Dr. Helen Fu (OncoC4, Inc.) and Daozhan Yu (AAVnerGene)
NIH Extramural Program and the Brain Initiative
- Panelists:** Dr. Yong Yao (NIH/NIMH) and Dr. Zhong Chen (NIH/NIDCR)

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- 1:15pm-2:30pm** **Poster session**
- 2:30pm-3:40pm** **Session III: Immunological, Infectious and Metabolic Diseases**
Chair: Dr. Wei Yang (NIH/NIDDK)
- 2:30-3:00pm Dr. Jake Liang (NIH/NIDDK)
Title: SARS-CoV-2 Pathogenesis and Therapy: To Fuse or Not to Fuse
- 3:00-3:20pm Dr. Han-Yu Shih (NIH/NEI)
Title: Decoding Lymphocyte Regulomes in Neurodegeneration
- 3:20-3:40pm Dr. Ling Qi (UVA)
Title: Dissecting the role of ER-associated degradation (ERAD): one mouse and human at a time
- 3:40-3:50pm Dr. Chengfei Jiang (NIH/NHLBI)
Title: Single transcript-level metabolic responsive landscape of human liver transcriptome
- 4:00-5:00pm** **Keynote Presentation**
Dr. Liqun Luo (Stanford University/HHMI)
Title: Neurobiology of Drives and Their Competition
- 5:00-5:05pm** **Award Ceremony**
- 5:05-5:10pm** **Closing Remarks** (Dr. Yuan Zhu, President-elect of SCBA DC chapter)

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