

美洲華人生物科學學會

Society of Chinese Bioscientists in America

2024 SCBA DC Chapter Annual Scientific Symposium

Saturday, June 8, 2024, University of Maryland, College Park

Co-organizers: **Drs. Wei Li** (NIH/NEI), **Chuan Wu** (NIH/NCI), **Xiaoyan Zheng** (GWU)

Location: Lecture Hall CHM1407, 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): Regents Drive Garage, 8056 Regents Drive, College Park (free on Saturday)

Meeting Program

- 8:00-8:25 am Registration/Coffee
- 8:25-8:30am Welcome/Opening Remarks (Dr. Yuan Zhu, President of SCBA DC chapter)
- 8:30-9:30am **Opening Keynote**
Dr. Chuan He (U Chicago)
Reversible RNA methylation in gene expression regulation
- 9:30-10:25am Session I: Genetics/Genomics/New technologies**
Co-Chairs: Dr. Hong Xu (NIH/NHLBI) and Dr. Haiyan He(GU)
- 9:30-9:50am Dr. James Zhe Liu (HHMI/Janelia)
Deciphering the form and function of the 3D genome
- 9:50-10:10am Dr. Chongyi Chen (NIH/NCI)
Explore DNA supercoiling tension across the human genome
- 10:10-10:30am Dr. Xiaofang Jiang (NIH/NLM)
Comparative genomics aids the discovery of a gut microbial enzyme reducing bilirubin to urobilinogen
- 10:30-10:40am Dr. Binbin Ma (Johns Hopkins)
Title: Asymmetric histone inheritance patterns in mammalian olfactory horizontal stem cells

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10:40-11:00am **Coffee break**

11:00-12:30pm **Session II: Immunology connecting to everything**

Co-Chairs: Dr. Yuntao Wu (GMU) and Dr. Wenxia Song (UMD)

11:00-11:20am Dr. Li Yang (NIH/NCI)

Tumor suppressors and immune cells, an important regulatory axis in cancer metastatic progression

11:20-11:40am Dr. Lishan Su (UMD)

Mechanisms of Human Inflammatory Diseases: Lessons from Viruses

11:40-12:00pm Dr. Nanping Weng (NIH/NIA)

Impact of aging on immune function

12:00-12:20am Dr. Hao Jin (NIH/NIAID)

A body-brain circuit regulating body inflammatory responses

12:20-12:30pm Dr. Bicna Song (Children's National)

Title: Decoding Heterogenous Single-cell Perturbation Responses

12:30 pm-1:45pm **Lunch Break**

Career round table discussion (Concurrent)

- **Topic 1: Industry and Regulatory Career Pathways**

Chair: Dr. Yihong Ye (NIH/NIDDK)

Panalists: Dr. You Li (CBA, President-elect)

Dr. Jun Zhao (FDA)

- **Topic 2: NIH Intramural and Extramural Programs**

Chair: Dr. Mitchell Ho (NIH/NCI)

Panalists: Dr. Carl Hashimoto (NIH/OD/Director of Faculty Development)

Dr. Yuan Luo (Program Director, NIA)

1:45pm-2:45pm **Poster session**

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- 2:45pm-4:35pm** **Session III: Epigenetics**
Co-Chair: Dr. Han-Yu Shih (NIH/NEI) and Dr. Zhe Han (UMD)
- 2:45-3:05pm Dr. Keji Zhao (NIH/NHLBI)
Detection, function, and regulation of chromatin looping
- 3:05-3:25pm Dr. Tingting Wang (GU)
Glial epigenetic signaling in alzheimer's disease
- 3:25-3:45pm Dr. Kai Ge (NIDDK)
Enhancer regulation by chromatin modifying enzymes
- 3:45-4:05pm Dr. Jia-Ray Yu (VT/VTC)
Chromatin imbalance in cancer
- 4:05-4:25pm Dr. Weiqun Peng (GWU)
3D chromatin architecture and its role in gene regulation in immune system
- 4:25-4:35pm** **Coffee break**
- 4:35-5:05pm** **Closing Keynote**
Dr. Xin Chen (Johns Hopkins)
A new perspective of DNA replication components in stem cell lineages
- 5:05-5:20pm** **Award Ceremony**
- 5:20-5:25pm** **Closing Remarks** (Dr. Wei Li, President-elect of SCBA DC chapter)

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