

# 美洲華人生物科學學會

Society of Chinese Bioscientists in America

## 2022 SCBA DC-Baltimore Chapter Annual Scientific Symposium

December 10, Saturday, 8 AM - 6 PM

Place: 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: Regents Drive Garage, 8056 Regents Drive, College Park or other parking lots on the campus (free on Saturday)

Co-organizers: **Dr. Mitchell Ho** (National Cancer Institute) and **Dr. Xin Chen** (HHMI, Johns Hopkins University)

### Meeting Program

8:00-8:45am Registration/Coffee

8:45-9:00am Welcome/Opening Remarks (President of SCBA DC chapter)

**9:00-10:30am Session I: Studies using model organisms**

**Co-Chairs:** Yunbo Shi (NIH) and Zhe Han (U. of Maryland School of Medicine)

9:00-9:20am Dr. Meng Wang (HHMI, Janelia Farm)

C. elegans to study metabolism and aging

9:20-9:40am Dr. Xiaoyan Zheng (George Washington University)

Competition or cooperation: the dual roles of the Hedgehog co-receptor in homophilic adhesion and signaling

9:40-10:00am Dr. Jiefu Li (HHMI Janelia Farm)

In Situ Cell-Surface Proteomics: Method Development and Applications

10-10:20am Dr. Wei Li (NIH)

Seeing “blue” – cone photoreceptor subtype-specific wiring and its molecular mechanism

10:20- 10:30am Short talk

**10:30-10:50am Coffee break**

**10:50-12pm Session II: Biomedical engineering and structural biology**

**Co-Chairs:** Yihong Ye (NIH/NIDDK) and Tongqing Zhou (NIH/NIAID)

10:50-11:10am Dr. Xiongyi Huang (Johns Hopkins University)

Bringing New Catalytic Functions to Metalloenzymes by Bridging Synthetic Chemistry and Biology

11:10-11:30am Dr. Jinwei Zhang (NIH)

Noncoding RNA structure and recognition in stress response and immunity

11:30-11:50am Dr. Ping Zhang (NCI)

CryoEM structure of protein kinases

11:50am-12pm Short talk

**12pm-1:00pm Lunch Break**

**Career round table discussion**

**Panelists: Academic Panel discussion: Career in scientific research**

Dr. Roland Owens (NIH director’s office), Dr. Mitchell Ho (NCI) and Dr. Xin Chen (HHMI, JHU)

**Industry Panel discussion: Career in pharmaceutical industry, Technology transfer**

Dr. Pan Zheng (OncoC4, Inc.) and TBA

**1:00pm-2:00pm Poster session**

**2:00pm-3:10pm Session III: Therapeutic strategies against diseases**

**Co-Chairs:** Xinwei Wang (NCI) and Feng Qian (U. of Maryland)

2-2:20pm Dr. Lichun Ma (NIH)

Spatial single-cell dissection of tumor and immune cells reveals stable lock-and-key features of a malignant ecosystem in liver cancer

2:20-2:40pm Dr. Heng Zhu (JHMI)

Title

2:40-3:00pm Dr. Shuo Gu (NCI)

Targeting microRNAs in cancer therapy

3-3:10pm Short talk

**3:10-3:30pm Coffee break**

**3:30-4:30pm Keynote Presentation**

Dr. Kun-Liang Guan (<http://guanlab.ucsd.edu/>)

The Hippo pathway: signaling and cancer

**4:30-4:50pm Award Ceremony**

**4:50-5:00pm Closing Remarks** (President-elect of SCBA DC chapter)