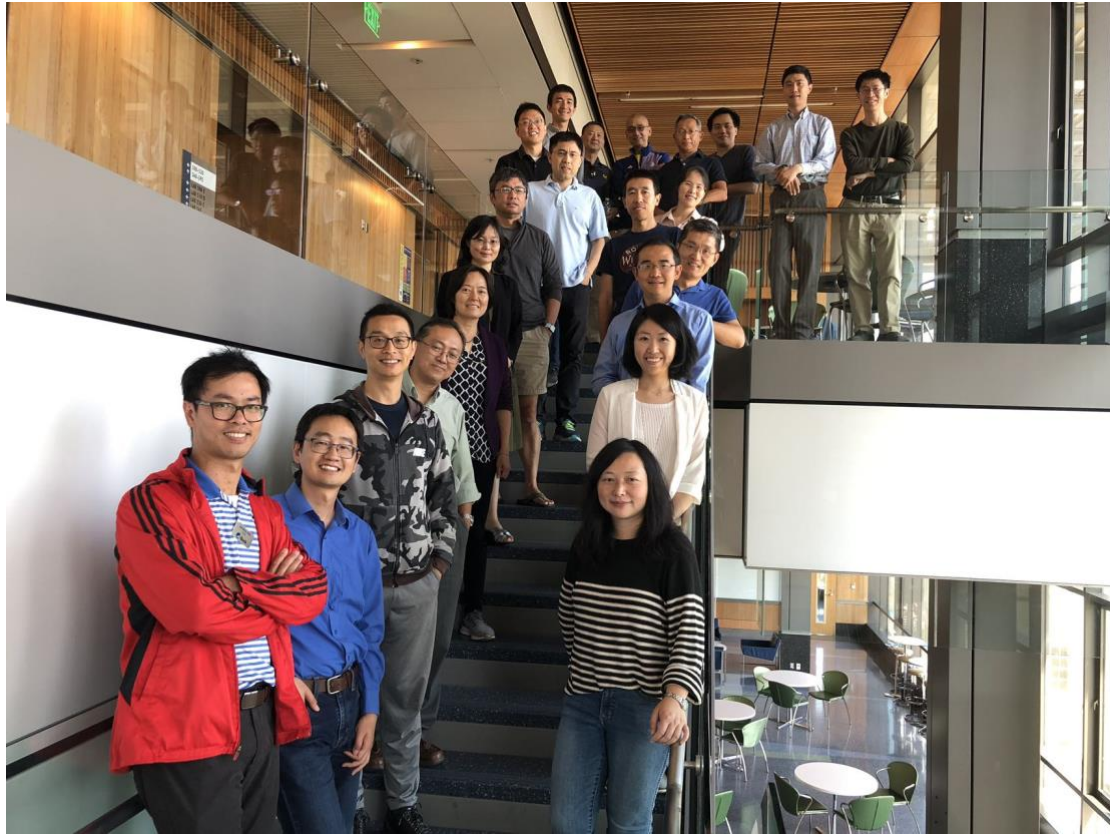




We had a very exciting BACLIF retreat on August 26 in the beautiful campus of UC Berkeley, organized by our UC Berkeley colleagues Dr. Yangnan Gu, Dr. Na Ji and Dr. Ziyang Zhang with help from Dr. Chuankai Zhou from Buck Institute and Dr. Bin Chen from UC Santa Cruz. We had more than 22 faculty from UC Berkeley, UCSF, UC Davis, Stanford, UC Santa Cruz, UC Merced, Buck Institute for Aging Research, as well as a senior editor from Science, attended the whole day event. It was featured with nine long talks and 4 short talks, covered topics from neuroscience, regeneration, developmental biology, biophysics, structural biology, cell biology, as well as stories from basic research to therapeutics. Due to the diverse background of attendees, all talks include good amount of background introduction aiming to help colleagues from different fields to understand and cultivate potential cross-disciplinary collaborations, which is a key purpose of BACLIF meetings. This was very successful as every talk inspired a lot of discussion, with some attendees continued their deep exchanges in a breakout room. The organizers prepared the event and schedule with the consideration of creating a relaxing atmosphere for brainstorming. Every attendee enjoyed the meeting more than just listen to some talks. In between the morning and the afternoon session, all attendees joined a sponsored lunch in a local restaurant that allow everyone to exchange information about academic environment across different schools and department. This is because the BACLIF is not only for science and collaboration, but also a group that support each other, especially the junior faculty.



*BACLIF retreat schedule (08/26/2023 - UC Berkeley, 445 Li Ka Shing Center)*

**10:00 - 10:15**

Coffee, pastry, introduction

**10:15 - 10:30**

Eye lens growth and transparency: Can we delay presbyopia and cataract? -  
Xiaohua Gong, UC Berkeley

**10:35 - 10:50**

Decipher antenna of the cell: understanding primary cilium in brain development -  
Xuecai Ge, UC Merced

**10:55 - 11:10**

RNA Editing: from Biology to Therapy - Jin Billy Li, Stanford

**11:15 - 11:30**

An evo-devo lens into the molecular control of organ regeneration - Guo Huang,  
UCSF

**11:35 - 11:50**

de novo peptidic TRPV1 modulators as leads for novel anesthetic - Jie Zheng, UC  
Davis

**12:00 - 14:00**

Lunch (tentatively at [Great China](#), need final head counts for reservation)

**14:00 - 14:25**

Data blitz (5 min each)

- High-speed two-photon microscopy through PSF engineering - Weijiang Yang, UC Davis
- The role of Arid1a in bladder cancer progression - Zhu A. Wang, UCSC
- Big drop, small drop, which one matters? - Bo Huang, UCSF
- The context-dependent structures and functions of mitochondrial ribosome - Kai Zhou, Buck
- Oculocerebrorenal syndrome of Lowe: pathology and rescue strategies - Yang Sun, Stanford

**14:25 - 14:55**

Discussion & Break

**14:55 - 15:10**

Protein Phosphatase 2 Inhibition: A Novel Strategy for Cancer Treatment - Winson Ho/Olivia Lu, UCSF

**15:15 - 15:30**

Long-term in situ recording of neural organoids by kirigami electronics - Bianxiao Cui, Stanford

**15:35 - 15:50**

Protein hunger gated nitrogen flow from phospholipids to amino acids in Drosophila - Qili Liu, UCSF

**15:55 - 16:10**

Novel function of optineurin in axonal mitochondria distribution - Yang Hu, Stanford

**16:15 - 17:00**

Refreshment and discussion

**Other confirmed attendees:**

Bin Chen

Yifan Cheng

Le Cong

Lin Tian

Dengke Ma

Stanley Qi

Biao Wang

Yangnan Gu

Yang Kevin Xiang

Di Jiang

Na Ji

