



美洲華人生物科學學會



Society of Chinese Bioscientists in America

The 2017

SCBA DC-Baltimore Chapter Annual Symposium

Mechanistic insight and disease targeting

Saturday, March 18, 2017

JHU Shady Grove Conference Center, 9601 Medical Center Drive, Rockville, MD 20850

(Parking at the multi-level parking garage besides the parking lot in front of the conference center is free)

Co-organizers: **Dr. Zhe Han** (Children's National) and **Dr. Li Yang** (National Cancer Institute)

Program:

8:00am - 8:45am **Registration/Coffee**

8:45am - 9:00am **Welcome/Opening Remarks**

Xin W. Wang, President of SCBA DC-Baltimore Chapter (NCI)

9:00- 10:00 am **Session 1: Genetic, epigenetic, and gene regulation**

Chair: Wei Yang (NIDDK) and **Paul Liu** (NHGRI)

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18 min

"Mutations in human induced pluripotent stem cells"

ChengKai Dai (NCI)

12 min

"Proteomic Instability of Cancer: HSF1 is a Guardian of Cancer Proteostasis"

Yang Gao (NIDDK) (selected from abstract)

12 min

"Capture of A Third Mg²⁺ is essential for catalyzing DNA synthesis"

Kai Ge (NIDDK)

18 min

"Enhancer chromatin modification in differentiation, development and cancer"

10:00- 10:20 am Coffee break

10:20- 11:20 am **Session 2: Inflammation and immunity**

Chair: Pan Zheng (Children's National) and **Zhi-Ming Zheng** (NCI)

Ji Ming Wang (NCI)

18 min

"The essential role of chemoattractant receptors in inflammation and cancer"

Fengyi Wan (Johns Hopkins)

12 min

"Novel insights into colonic bacterial infection in immune-compromised hosts"

Xiang Wang (NCI) (select from abstract submission)

12 min

“Histone modification in breast cancer metastasis”

Jinfang Zhu (NIAID)

18 min

“Similarity in the development of innate and adaptive lymphocytes”

11:20- 12:30 pm **Lunch break, Career round table discussion (how to succeed in Biomedical research)**

Ming Lei: Deputy Director of the National Cancer Institute (NCI)’s Center for Cancer Training, and Chief of the Cancer Training Branch.

Shou-Bai Chao, past president of CBA (Chinese Biopharmaceutical Association) and senior vice president of AZ BIOVENTURES.

12:30- 2:00 pm **poster session**

2:00- 3:00 pm **Session 3: Development and Cell Biology**

Chair: Yihong Ye (NIDDK) and Richard Zhao (U Maryland)

Xin Chen (Johns Hopkins, HHMI)

18 min

“Breaking epigenetic inheritance during *Drosophila* germline stem cell asymmetric division”

Yanxin Pei (Children’s National)

12 min

“Cell of Origin for Group 3 Medulloblastoma”

Wai Lim Ku (NHLBI) (selected from abstract)

12 min

“Genome-wide identification of H2A.Z-interacting proteins by bPPI-seq”

Yuan Zhu (Children’s National)

18 min

“Targeting neurofibromatosis type 1 (NF1)-associated glioma as a developmental disease”

3:00- 3:20 pm **Coffee break**

3:20- 4:30 pm **Session 4: Disease model and drug screening**

Chair: Juliann Kiang (USUHS), Ji Luo (NCI)

Wei Zheng (NCATS)

18 min

“Drug repurposing screen as an efficient alternative approach for drug discovery”

Haobin Chen (NCI) short talk

12 min

“Aldh3a1 is a prognostic biomarker in lung adenocarcinoma”

Hongping Zheng (NCI) (selected from abstract)

12 min

“Single cell analysis reveals cancer stem cell heterogeneities”

Hongbing Wang (University of Maryland)

18 min

“Metabolism-mediated alteration of drug action: therapeutics vs. toxicity”

4:30 -5.00 pm **Keynote lecture Shi Yang (Harvard)**

“RNA methylation in the DNA damage response”

5:00 -5.30 pm **Award Ceremony and Closing Remarks**

6 – 10 pm **Dinner Party**