

美洲華人生物科學學會

Society of Chinese Bioscientists in America

2026 SCBA Washington DC Chapter Annual Scientific Symposium

Saturday, September 26, 2026, University of Maryland School of Medicine, Baltimore.

Co-organizers: Drs. Nan-ping Weng (NIH/NIA), Yutao Wu (GMU)

Location: SMC Campus Center Meeting Rooms:
621 W. Lombard St. Lower Level, Baltimore, MD 21201

Parking: 646 W. Pratt St, Baltimore ([using this address for google map](#)):

Meeting Program

8:00-8:20am	Registration/Coffee
8:20-8:30am	Welcome/Opening Remarks Dr. Lishan Su, Past Precedent of SCBA Dr. Yuntao Wu, President of SCBA DC-Baltimore Chapter
8:30-9:30am	Opening Keynote (Room A) Dr. Wei Yang (NIH/NIDDK) The Dance of Proteins and DNA in Nucleotide Excision Repair
9:30-10:30am	Session I: Epigenetic and Transcriptional Regulation in Development and Disease (Room A) Co-Chairs: Dr. Keji Zhao (NIHLB) and Dr. Xin Chen (JHU)
9:30-9:45am	Xin Chen, JHU Controlled Modulation of DNA Replication Machinery to Enhance Epigenome Plasticity and Genome Stability
9:45-10:00am	Chongyi Chen, NCI Causes and consequences of genome-wide DNA topological homeostasis
10:00-10:15am	Yuan He, JHU Decoding Genome Maintenance: Chromatin-Based Mechanisms of DNA Reading and Repair
10:15-10:30am	Keji Zhao, NHLBI Simultaneous identification of genome-wide target sites for multiple chromatin-associated proteins

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9:30-10:30am Session II: Genetic and genomic insights across human disease (Room B)

Co-Chairs: Dr. Pu (Paul) Liu (NIH/NHGRI) and Dr. Tao Ang (JHU)

9:30-9:45am Hong Xu, NHLBI

An ER-anchored transcription factor monitors and protects mitochondria

9:45-10:00am Shengyun Fang, UMSOM

Correcting UBA1 dysfunction: toward root-cause therapy for VEXAS Syndrome

10:00-10:15am Tao Ang, JHU

Gene therapy for phenylketonuria: promises and challenges

10:15-10:30am Pu (Paul) Liu, NHGRI

When Blood Cancers Run in Families: Understanding Inherited Predisposition Through RUNX1-Familial Platelet Disorder.

10:30-10:40am Coffee break

10:40-11:40am Session III: AI and Data Science applications in biomedical research and drug discovery (Room A)

Co-Chair: Dr. Peng Jiang (NIH/NCI) and Siraj Ali (NIH/NCI)

10:40-11:00am Zhi-yong Lu, NIM

Translating Agentic AI into Biomedical Discovery

11:00-11:15am Peng Jiang, NCI,

Data-Driven Discovery of Secreted Proteins as Cancer Immunotherapies

11:15-11:30am Siraj Ali, NCI

AI-powered analysis of Pathology Images can generate Oncology Biomarkers

11:30-11:45am Wei Li, UMCP

pertTF: context-aware AI modeling for genome-scale and cross-system perturbation prediction

11:45-12:00pm Haoyue Zhang, NIAID

Multi-tracer, multi-task cancer lesion segmentation model on PET-CT images

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10:40-11:40am Session IV: Neuroscience and neurodegenerative diseases (Room B)

Co-Chairs: Dr. Huaibin Cai (NIH/NIA) and Dr. Jiou Wang (JHU)

- 10:40-10:55am Huaibin Cai, NIA
The ALDH1A1 Paradox in Parkinson's Disease: Balancing Dopaminergic Identity, Neurotransmission, and Neuronal Vulnerability
- 10:55-11:10am Ling Hao, UMCP
Unraveling Neurodegeneration Through Mass Spectrometry-Based Multi-Omics
- 11:10-11:25am Yihong Ye, CIBR
CHIP-mediated ubiquitination safeguards lysosome homeostasis
- 11:25-11:40am Jiou Wang, JHU
Proteostasis, Integrated Stress Response, and Non-canonical Translation
- 11:40-11:55am Xiao Yang, JHU
Bioinspired brain-machine interfaces for long-term monitoring and interrogation of neural activity

12:00 pm-1:00pm Lunch Break

12:30 pm-1:30pm Career round table discussion (NIH Extramural, Academic and Industry Programs)

Chair: Dr. Max Guo (NIA)

Panelists: Dr. Max Guo (NIA)

Dr. Ling Hao (UMCP)

Dr. Dina Du (AstraZeneca)

1:00pm-2:00pm Poster session

2:00pm-3:00pm Session V: Immune mechanisms and diseases (Room A)

Co-Chairs: Dr. Wanjun Chen (NIH/NIDCR) and Dr. Lishan Su (UMSOM)

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- 2:00-2:15pm Jinfang (Jeff) Zhu, NIAID
Transcriptional control of the differentiation and functions of cytokine-producing lymphoid cell subsets
- 2:15-2:30pm Alexander Minyi Xu, UMCP
Engineering T Cells to Target Solid Tumors
- 2:30-2:45pm Li Yang, NCI
The paradoxical role of anti-tumor immunity in tumor control and dormancy
- 2:45-3:00pm Li Zhang, PhD, UMSOM
A Novel Immunosuppressive Property of Microglial CD11b in Alzheimer's Disease
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- 2:00pm-3:00pm Session VI: Tumorigenesis and cancer therapy (Room B)**
Co-Chair: Dr. Mitchell Ho (NIH/NCI) and Dr. Min Yu (UMSOM)
- 2:00-2:15pm Min Yu, UMSOM
Tumor intrinsic and extrinsic regulation of brain metastasis dormancy
- 2:15-2:30pm Xin Wei Wang, NCI
Virome-wide serology for liver cancer prediction and interception
- 2:30-2:45pm Lai-Xi Wang, UMCP
Antibody-Drug Conjugates for Cancer Therapy
- 2:45-3:00pm Mitchell Ho, NCI
Engineering Nanobodies for Cancer Immunotherapy
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- 3:00-3:10pm Coffee break**
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- 3:10pm-4:10pm Session VII: Aging and its impact on health and diseases (Room A)**
Co-Chair: Dr. Nan-ping Weng (NIH/NIA) and Dr. Sean Leng (JHU)
- 3:10-3:25pm Max Guo, NIA
Biology of Aging and Aging-related Diseases

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- 3:25-3:40pm Yi Gong, NIA
Telomere Shortening and Extracellular Vesicles (EVs): A Mediator of Age-Related Pathologies
- 3:40-3:55pm Tianyi Huang, NIA
Sleep irregularity and cardiometabolic disease risk: Evidence from population-based studies
- 3:55-4:10pm Sean Leng, JHU
Extending Human Healthspan: The New Frontier of Aging Research
- 3:10pm-4:10pm Session VIII: Emerging infectious diseases (Room B)**
Co-Chair: Dr. Zhi-Ming Zheng (NIH/NCI) and Dr. Richard Zhao (UMSOM)
- 3:10-3:30pm Yuntao Wu, GMU
Ebola as a model for future emerging diseases
- 3:30-3:50pm Zhi-Ming (Thomas) Zheng, NCI
Hantavirus and hantaviral diseases
- 3:50-4:10pm Man Charurat, UMSOM
Marburg virus outbreaks in Tanzania
- 4:10-4:25pm Coffee break**
- 4:25-5:25pm Hongjun Song (University of Pennsylvania)**
Patient-derived glioblastoma organoids for translational and basic research
- 5:25-5:35pm **Award Ceremony**
- 5:35-5:30pm **Closing Remarks** (Dr. Nan-ping Weng, President-elect of SCBA DC-Baltimore chapter)