美洲華人生物科學學會

Society of Chinese Bioscientists in America

SCBA DC-Baltimore Chapter 2019 Annual Symposium Program

University of Maryland College Park
Bioscience Research Building (Building 413), College Park, MD 20740

Meeting Chairs: **Kai Ge, Ph.D.,** Senior Investigator, Adipocyte Biology & Gene Regulation Section, Laboratory of Endocrinology & Receptor Biology, NIDDK, NIH
Hongbing Wang, Ph.D., Professor & Program Chair, Experimental and Translational Therapeutics, Pharmaceutical Sciences Department, University of Maryland School of Pharmacy
Ling Hao, Ph.D., President, The Chinese Students & Scholars Association at the NIH; Fellow, Inherited Neurodegenerative Diseases Unit, NINDS, NIH.

8:00 – 9:00 am	**Registration & Breakfast**	**Hallway & Class Room**
9:00 – 9:10 am	**Welcome remarks by chapter president and symposium chairs**	**Main Auditorium**
9:10 – 10:25 am	**Session 1: Frontiers in metabolism and diseases** **Chairs**: **Yihong Ye, Ph.D.,** Senior Investigator, National Institute of Diabetes & Digestive & Kidney Diseases, NIH	**Main Auditorium**
9:10 – 9:25 am	**Wei Li, Ph.D.,** Senior Investigator, National Eye Institute, NIH *"Living in the cold – adaptations of hibernation"*	
9:25 – 9:40 am	**Liqing Yu, M.D. Ph.D.**, Professor, Dept of Medicine, University of Maryland School of Medicine *"Lipid Droplet Lipolysis and Metabolic Disease"*	
9:40 – 10:25 am	**Keynote Talk** **Chen Dong, Ph.D.,** Dean, Tsinghua University School of Medicine *"T-lymphocytes in inflammation and cancer"*	**Main Auditorium**
10:25 – 10:45 am	**Coffee break (20 min)**	**Class Room**
10:45 – 11:45 am	**Session 2: New insights in cancer biology** **Chairs: Yun Qiu, Ph.D.,** Professor, University of Maryland School of Medicine **Xiaoyan Zheng, Ph.D.,** Assistant Professor, George Washington University Cancer Center	**Main Auditorium**
10:45 – 11:00 am	**Rong Li, Ph.D**., Professor and Chair, Dept of Biochemistry & Molecular Medicine, George Washington School of Medicine *"Adipocyte PD-L1 Modulates Checkpoint Blockade Immunotherapy Efficacy in Breast Cancer"*	
11:00 – 11:15 am	**Chunling Yi, Ph.D.**, Associate Professor, Dept of Oncology, Georgetown University *"Hippo Signaling in Cancer"*	
11:15 – 11:30 am	**Jin Xu, Ph.D.,** University of Maryland College Park *"Loss of E2F1 induces cell death in docetaxel and enzalutamide monotherapy resistant cells - combined docetaxel and enzalutamide for therapeutic resistant prostate cancer." (talk from proffered abstracts)*	
11:30 – 11:45 am	**Zhong Chen, M.D., Ph.D.,** National Institute on Deafness and Other Communication Disorders, NIH *"The Cancer Genome Atlas (TCGA) project and PanCancer Atlas of squamous cancers" (talk from proffered abstracts)*	
11:45 – 12:00 pm	**Group Photo**	**Main Auditorium**

12:00 – 1:00 pm	**Lunch Break**	**Class Room**
12:30 – 2:00 pm	**Parallel Round Table Sessions**	
12:30 – 2:00 pm	**Round Table 1: The art of grant application** **Yali Fu, Ph.D.,** Program Director, Preclinical Therapeutic Grants Branch, National Cancer Institute, NCI **Laixi Wang, Ph.D.,** Professor, Dept of Chemistry & Biochemistry, University of Maryland	**Main Auditorium**
12:30 – 2:00 pm	**Round Table 2: Landing your first job in industry** **Frank Li, M.D. Ph.D.,** Head of US operation and Senior Director of Regulatory Affairs, Ascentage Pharma Group **Dazhi Lai, Ph.D.**, Founder, SPEED Biosystems	**Class Room**
1:30 – 3:00 pm	**Poster Session**	**Hallway**
3:00 – 4:30 pm	**Session 3: Young Investigator and Postdoc Research Highlights** **Chairs: Xin Chen, Ph.D.,** Associate Professor, Johns Hopkins University **Weiqun Peng, Ph.D.,** Professor*, George Washington University* **Zheng Li, Ph.D.,** Senior Investigator, National Institute of Mental Health, NIH	**Main Auditorium**
3:00 – 3:15 pm	**Bin Wu, Ph.D.,** Assistant Professor, Dept of Biophysics & Biophysical Chemistry, Johns Hopkins University School of Medicine *"Visualizing translation dynamics of single mRNAs in live cells"*	
3:15 – 3:30 pm	**Hongmei Mao, Ph.D.,** Children's National Medical Center *"Fbxw7 Determines Cerebral Ventricular Size by Controlling Fate-specification of Developing Neural Stem Cells via Nf1-RAS-MAPK pathway" " (talk from proffered abstracts)*	
3:30 – 3:45 pm	**Chongyi Chen, Ph.D.,** Investigator, Laboratory of Biochemistry and Molecular Biology, National Cancer Institute, NIH *"Single-cell Genomics: Genome Analyses by Linear Amplification via Transposon Insertion"*	
3:45 – 4:00 pm	*Lihui Wang, Ph.D., National Institute of Diabetes and Digestive and Kidney Diseases, NIH* *"RPL26 Ufmylation Links Ribosome Quality Control to Endoplasmic Reticulum Homeostasis" (talk from proffered abstracts)*	
4:00 – 4:15 pm	**Ying He, Ph.D.**, Assistant Professor, Department of Pharmaceutical Sciences, University of Maryland *"Spinal Protein kinase C signaling mechanisms that mediate chronic pain in sickle cell disease"*	
4:15 – 4:30 pm	**Yang Gao, Ph.D.,** National Institute of Diabetes and Digestive and Kidney Diseases, NIH "*Structures and operating principles of the replisome*" *(talk from proffered abstracts)*	
4:30 – 4:45 pm	**Poster award ceremony** (awardees group photo)	**Main Auditorium**
4:45 – 5:00 pm	**Closing Remarks by chapter president-elect**	**Main Auditorium**

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POSTERS

No.	Presenter	Affiliation	Title
1	Lingyu Bao	NICHD/NIH	TR mutations mediate stem cell defects in the adult intestine in a mouse model of resistance to thyroid hormone
2	Yuxin Hao	Georgetown University	Protein Kinase Activation Through Asymmetric Allosteric Coupling of Modular Signaling Domains
3	Emmanuelle Jecrois	Children's National Medical Center	Early Inhibition of the MAPK Pathway Prevents Optic Nerve Glioma Formation in a Nf1-Deficient Mouse Model
4	Binbin Lai	NHLBI/NIH	Princicples of nucleosome organization revealed by single-cell MNase-seq
5	Chih-Shia Lee	NCI/NIH	RAF/MAPK pathway and autophagy cooperate to maintain KRAS mutant cancer cell survival
6	Chao Li	University of Maryland	Versatile α1,2-Fucosidase Mutants Enable Direct Site-Specific Glyco-Engineering and Functionalization of Biologically Important Glycoconjugates
7	Linhao Li	University of Maryland	Mechanistic Insights of Phenobarbital-mediated activation of Human but not Mouse Pregnane X Receptor
8	Liubing Li	NIEHS/NIH	Identification of Novel Autoantibodies for Idiopathic Inflammatory Myopathies Using Human Proteome Microarray
9	Shuaizhang Li	NCATS/NIH	Identification of Angiogenesis Inhibitors using a Co-culture Cell Model in a High-content and High-throughput Screening Platform
10	Shuang Li	NIDDK/NIH	Structural basis of transcription attenuation mediated by higher-order tRNA-mRNA interactions
11	Yinghua Li	Children's National Medical Center	Single-cell derived murine models of IDH-wild type glioblastoma exhibit a unique evolutionary pattern with spatial segregation of tumor initiation and manifestation
12	Shin-Jen Lin	NCI/NIH	Synergistic effect of MEK and cIAP inhibitors on KRAS mutant cancer cells
13	Lusha Liu	NCI/NIH	Identification and differential regulation of microRNAs during thyroid hormone dependent metamorphosis in Microhyla fissipes
14	Lichun Ma	NCI/NIH	Tumor cell biodiversity drives microenvironmental reprogramming in liver cancer
15	Jiajia Pan	NCI/NIH	Generation of Immunotoxins Targeting Glypican-1 in Pancreatic Cancer
16	Liu_ya Tang	NCI/NIH	Investigating the Mechanism of Smurf2 Regulating DNA Damage Response
17	Xin Tong	NCI/NIH	Chemoenzymatic glycan remodeling of therapeutic monoclonal antibody by Streptococcus pyogenes endoglycosidases S and S2
18	Yihan Wan	NCI/NIH	Dynamic imaging of nascent RNA reveals general principle of transcription dynamics and widespread recursive splicing
19	Guohao Wang	NCI/NIH	Ablation of Arf1 Kills Cancer Stem Cells and Induces DAMP-mediated Anti-tumor Immune Responses in Mice
20	Dan Lou	Johns Hopkins University	Mitochondrial dysfunction perturbed H3K27ac at active enhancers for environmentally-linked Parkinson's disease
21	Bogang Wu	George Washington University	Adipocyte PD-L1 Modulates PD-1/PD-L1 Checkpoint Blockade Cancer Immunotherapy Efficacy
22	Hiroyuki Kawagishi	NHLBI/NIH	Sonic hedgehog signaling regulates the mammalian cardiac regenerative Response
23	Xuehua Xu	NIAID/NIH	Dictyostelium discoideum: A Model Organism for G Protein Coupled Receptor-Mediated Chemotaxis in Human Diseases

24	Hong Yuang	University of Maryland	Effect of Cadmium Exposure on Drug Disposition via Regulation of Transporter Protein Activity
25	Tao Zhen	NHGRI/NIH	Runx1 is indispensable for leukemia development induced by Cbfb-MYH11
26	Guanghui Zong	University of Maryland	Unexpected Substrate Specificity in Enzymatic Fucosylation of N-Glycan and Chitooligosaccharides with Lactobacillus Casei α1,6-fucosidase AlfC Mutant
27	Yang Liu	NCI/NIH	Targeting IDH1-Mutated Malignancies with NRF2 Blockade
28	Yiqiang Zhou	NCI/NIH	Autocrine BMP4 signaling enhances tumor aggressiveness via promoting Wnt/beta-Catenin signaling in IDH1-mutant gliomas
29	Haibin Liu	NCI/NIH	Genome-wide effect of a long noncoding RNA Inc-FANCI-2 on gene expression in cervical cancer cells
30	Lulu Yu	NCI/NIH	Oncogenic splicing factor SRSF3 regulates ILF3 alternative splicing to promote cancer cell proliferation and transformation

VENUE & LOGISTICS

Meeting venue information

Venue: UMC Bioscience Research Building (Building 413 in the map below), College Park, MD 20740

Parking: Regents Drive Garage (Building 202 in the map below). Parking is free on weekend at un-numbered spots. 8056 Regents Drive, College Park, MD 20742

Rooms: Main auditorium (Room BRB1101): Scientific sessions, round table discussion #1

Class room (BRB1103): Breakfast, lunch, coffee/snacks, round table discussion #2

Hallway: poster session