



**2024 International Conference on Life Sciences
Guiyang, China
The 19th SCBA/14th CBIS Biennial Symposium
2024 贵阳·华人生命科学大会
July 25–30, 2024**



贵阳东盟国际会议中心/贵阳市花溪区思雅路
贵州群升豪生大酒店/贵阳群升花园酒店

Preliminary Meeting Program

Day 0, July 25 (Thursday)

2-8 pm Arrival, Daytime Registration (Hotel lobby or conference hall)
6-8 pm Welcome Reception (Location TBD)

Day 1, July 26 (Friday):

8:30 – 9:00am Welcome and Opening Remarks (Main conference room)

9:00-10:30 am Joint Plenary Session 1 (25min + 5 min)

9:00 – 9:30am Plenary talk 1. **Xiaoliang Xie** (Peking University, Beijing)

Title: To be provided

9:30 – 10:00am Plenary talk 2. **Xinnian Dong** (HHMI investigator/Duke University)

Title: Engineering broad-spectrum disease resistance through basic research

10:00 – 10:30 am Plenary talk 3. **Feng Shao** (National Institute of Biological Sciences, Beijing)

Title: Gasdermin-mediated pyroptosis: mechanisms & therapeutics potentials.

10:30 -10:45 am **Sponsor talk 1/Cornerstone (15 min)**

10:45- 11:00 am Coffee/Tea break

11:00– 12:30pm Concurrent Sessions 1-9, (rooms# TBD)

Session#	Title	chairs
1	DNA Repair and Cancer Therapy	Fen Xia, Zhenkun Lou
2	Identifying and Exploiting New Molecular Targets for Neurological Disorders	Zhong-Ping Feng
3	Structural Biology in the Era of Cryo-EM	Peijun Zhang
4	Infectious Agents	Jade Lee-Lee Teng, Man Lung Yeung

5	Cancer Metabolism, Immunology, and Epigenetics	Jing Chen, Wei-Xing Zong
6	Hematopoiesis and Immune Responses	Wei Du, Qing Li
7	Type I Interferons in Infection, Autoimmune Diseases and Cancer	Genhong Cheng, Lishan Su
8	RNA Structure and Assembly	Chuan He
9	CAR-T and CAR-NK Immunotherapy Progress	Yangxin Fu, Dongfang Liu

12:30 – 2:00pm Lunch/Vendor Shows

2:00 – 3:30 pm Concurrent sessions 10-18, (rooms# TBD)

10	RNA Modifications	Hansen He
11	Targeting Immune Suppressive Myeloid Cells for the Cancer Treatment	Bin Zhang, Bin Zheng
12	Molecular Mechanism of DNA repair	Dong Wang, Shan Zha
13	Neuroprotection and Drug Development in Cerebral Functions and Brain Diseases	Hong-Shuo Sun, Heyu Ni
14	Ubiquitylation & Diseases	Yong Wan, Jianping Jin
15	Genome Regulation in Development and Disease	Zhao Zhang, Chao Lu
16	DNA Metabolic Pathways: Mechanisms and Implications in Diseases	Guo-Min Li, Daochun Kong
17	The Roles of Thyroid Hormones and Agonists in Metabolism and Development	Hao Ying, Yun-Bo Shi
18	New Frontiers of Structural Biology	Yifan Cheng

3:30- 3:50 pm Coffee/Tea break

3:50 – 5:20 pm Academics to biotech startups/entrepreneurship (discussion panel Chairs: Xiaodong Wang and Yang Liu)

5:30-7:00 pm Posters/Vendor Shows

7:00 pm--- Dinner on your own

Day 2, July 27 (Saturday)

8:30-9:30 am Joint Plenary Session 2 (25min + 5 min)

8:30 – 9:00am Plenary talk 4: **Mien-Chie Hung** (China Medical University, Taiwan)

Title: Markers guided effective cancer therapy

9:00 – 9:30am Plenary talk 5: **Xin Lu** (University of Oxford, UK)

Title: Infection, inflammation and gastrointestinal cancers

9:30-12:10 pm **Joint Awards Session (Each Speaker: 25min + 5 min Q&A)**

9:30-9:45 am (Joint award ceremony)

9:45 - 10:15 am **SCBA Presidential Award 1: Haifan Lin (Yale University)**

Title: *The Ever-Expanding Small RNA World (Virtual via Zoom)*

10:15-10:35 am **Tea/Coffee break**

10:35-11:05 am **CBIS Senior Investigator Award 1: Junying Yuan**

(Interdisciplinary Research Center on Biology and Chemistry, Shanghai)

Title: *My quest for the mechanisms of cell death.*

11:05 –11:35 am **SCBA Presidential Award 2: Chuan He (HHMI/University of Chicago)**

Title: *Chromatin regulation through reversible RNA methylation*

11:35 12:05 pm **CBIS Senior Investigator Award 2: Bing Ren (UCSD)**

Title: *From Epigenome Atlases to the Gene Regulatory Code.*

12:05 -12:20 pm **Sponsor talk 2/Amoytop (15 min)**

12:20 -12:35 pm **Sponsor talk 3/ABclonal Technology (15 min)**

12:30 – 2:00pm **Lunch /Vendor shows**

2:00 pm -3:30 pm **Concurrent sessions 19-26,**

19	Giant Cells in Cancer	Jinsong Liu
20	Autophagy in Health and Diseases	Qing Zhong, Jun-Lin Guan
21	New Frontiers in Cancer Metastasis Research	Chonghui Cheng, Jing Yang
22	Non-coding RNAs	Xiang-Dong Fu
23	DNA Replication and Repair Interface and Synthetic Lethality	Weihang Chai, Binghui Shen
24	Structural Biology Revealing Insights of Molecular Mechanisms	Peijun Zhang, Yifan Cheng
25	Neurodevelopment and Associated Disorders	Guo-li Ming, Zhiheng Xu
26	HIV Infection, Viral Persistence, and Inflammation	Liang Shan

3:30- 3:45 pm **Coffee/Tea break**

4:00 - 5:30 pm **Concurrent sessions 27-35,**

27	Developmental Biology and Stem Cell	Mai Har Sham, Ting Xie
28	Mechanisms in Cancer Development and Therapy	Shi-Yuan Cheng, Lin Zhang

29	Cellular Metabolism: Exploring Impact Beyond the Cell	Qun-Ying Lei , Xiao-Wei Chen
30	Hepatocellular Carcinoma (HCC)	Yu-Jui Yvonne Wan, Yilei Mao
31	New Functions of Regulatory RNA	Lin He
32	Targeting DNA Repair for Cancer Therapy	Zhiyuan Shen, Xiaohua Wu
33	Coevolution of Cancer and Tumor Microenvironment (TME) in Tumor Progression	Min Yu, Dihua Yu
34	RNA and Cytosolic DNA in Genome Maintenance	Li Lan, Zhongsheng You
35	Neuronal Circuitry in Health and Disease	Hongjun Song, Hailan Hu

5:30 pm -7pm **Meet with the editors** (Chairs: Dongsheng Li and Chris Lau)

5:30-7:00 pm **Posters/Vendor Shows**

7:00 pm--- **Dinner on your own**

Day 3, July 28 (Sunday)

8:30-9:15 am **Keynote address (40min + 5 min): Tak Mak**
(University of Toronto, Canada)

Title: *Beyond Immune Checkpoint Blockade: Emerging Strategies*

9:15-10:15 am **Plenary Session 4 (Each Speaker: 25min + 5 min)**

9:15 – 9:45 am Plenary talk 6: **Yishi Jin** (UCSD)

Title: Mechanisms of neuronal injury and maintenance

9:45 – 10:15 am Plenary talk 7: **Duojia Pan** (UT Southwestern, Dallas)

Title: To be provided

10:15 – 10:30am **Coffee/Tea Break**

10:30 – 01:00 pm **Concurrent SCBA Awards/Chairs: Zhiming Zheng/Dongyan Jin**
10:30 – 11:00 pm SCBA Lifetime Award Lecture: **Yung-Chi Cheng** (Yale University)

Title: Reflection of paradigm change in my career of drug discovery for viral disease and cancer therapy

11:00 - 11:30 am KT Jeang lecture: **Kwok-yung Yuen** (University of Hong Kong)

Title: Pandemic virus research: The Hong Kong perspective

11:30 – 12:00 am Dr. Tsai-Fan Yu Memorial Lecture in Clinical/Translational Research:
Tianhong Li (UC Davis)

Title: To be provided

12:00 –01:00 pm **SCBA Young Investigator's Awards (25min + 5 min)**

12:00 – 12:30 pm **SCBA Young Investigator’s Award 1: Siyuan Ding**
(Washington University in St. Louis)

Title: *SAMD9 is a novel sensor of cytosolic dsDNA and dsRNA molecules*

12:30– 01:00 pm **SCBA Young Investigator’s Award 2: Tianmin Fu**
(The Ohio State University, Columbus)

Title: *Supramolecular assemblies in immunity*

10:30 – 12:30pm Concurrent CBIS award session/Chairs: TBD

10:30– 11:15 am **CBIS Young Investigator award 1: Qing Zhang**
(UT Southwestern, Dallas)

Title: Identification of New Therapeutic Targets in Cancer Oxygen Sensing Signaling.

11:15 –12:00 pm **CBIS Young Investigator award 2: Wei Xie**
(Tsinghua University, Beijing)

Title: Decoding the transcription circuitry when the life begins.

12:00 - 12:30 pm **Other CBIS Presentation...**

12:30 pm- 2pm Lunch/Vendor Shows

2:00-3:30 pm **Concurrent sessions 36-44,**

36	Stress Responses in Cancer Therapy	Qing Zhang, Xi Chen
37	Tumor Virus Biology and Oncogenesis	Zhi-Ming Zheng, Pinghui Feng
38	Molecular Mechanisms of Aging and Cellular Senescence	Yi Zhu, Weiwei Dang
39	Development and Regeneration	Yi Ariel Zeng, C.C. Hui
40	Epigenetics, chromatin and transcription	Ting Wang
41	Metabolic Dysfunction-Associated Steatotic Liver Disease	Yanqiao Zhang, Chaodong Wu
42	Circadian Rhythms and Sleep Research	Ying Xu, Erquan Zhang
43	Cancer Stem Cells: Drug Resistance and Cell Death	Chuxia Deng
44	Sensory Neurobiology	Xinzhong Dong, Qiufu Ma

3:30-4:00 pm Tea/Coffee Break

4:00-5:30 pm **Concurrent sessions 45-52,**

45	3D Genome Architecture in Development and Diseases	Qiang Wu, Cheng Li
46	Cellular and Molecular Regulation of the Immune System	Chenqi Xu, Li-Fan Lu
47	Development and Genetic Disease	Danny Chan, Bo Gao

48	Antiviral New Development	Jun Wang, Shibo Jiang
49	RNA Modifications in Normal and Malignant Hematopoiesis	Jianjun Chen, Zhijian Qian
50	Liver and Cancer Metabolism and Immunotherapy	Aiming Yu, Shi-Mei Zhuang
51	Chemical Biology Approaches to Cell Signaling	Jin Zhang, Zhong-Yin Zhang
52	RNA Therapeutics	Zefeng Wang, Xin Li

5:30-7:00 pm Women in Science Session (Chairs: Yingzi Yang and Xuemei Chen)

7:00 pm--- Dinner on your own

Day 4, July 29 (Monday)

8:30-10:00 am Joined Plenary Session 4 (Each Speaker: 25min + 5 min)

8:30 – 9:00 am Plenary talk 8: **Nieng Yan**
(Shenzhen Bay Laboratory/Tsinghua University)

Title: To be provided

9:00 – 9:30am Plenary talk 9: **Bao-Liang Song** (Wuhan University)

Title: Regulation of cholesterol metabolism

9:30- 10:00 am Plenary talk 10: **Saijuan Chen**
(Shanghai Jiao Tong University/National Research Center for Translational Research, Shanghai)

Title: Big Data of Acute Leukemia in Mainland China: From Epidemiology to Treatment and Outcomes

10:00-10:30 am Coffee/Tea break

10:30 – 12:00pm Concurrent sessions 53-61

53	Exploring New Horizons: Innovations at the Intersection of Basic and Translational Research in Obesity and Diabetes	Feng Liu, Li Qiang
54	Cardiovascular and Renal Research	Zhe Han, Xiaolei Xu
55	Extracellular Vesicles	Shizhen Emily Wang, Tiebang Kang
56	Advances in Psychiatry: From Basic Research to Clinical Treatments	Xiao-Ming Li
57	Translational and Innovative Medicine, Hepatocellular Carcinoma	Ning Zhang, Tengxiang Chen
58	Lung Biology and Diseases	Yuehai Ke
59	Viral Hepatitis	Guangxiang George Luo, Haitao Guo
60	Epigenetics, Chromatin and Transcription	Guohong Li

61	Neuroimmunology	Ru-Rong Ji, Zhihua Gao
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12:00 – 1:30 pm Lunch

1:30 – 3:00 pm Concurrent sessions 62-70,

62	RNA Granule and Phase Separation	Yi Lin, Zhi-Ming Zheng
63	SARS-CoV-2 and COVID-19: From Molecular Virology to Vaccine Development	Shan-Lu Liu, Dongyan Jin
64	From Molecules to Diseases: Unraveling Endocrine Biology and Metabolic Disorders	Shuibing Chen, Sheng Wu
65	Rising Insights for Prostate Cancer Mechanisms and Therapies	Xiaoqi Liu, Jindan Yu
66	Leukemia and Pre-leukemia: Mechanisms, Risks, and Therapeutic Opportunities	Ruibao Ren, Jun Lu
67	Pharmacology Considerations for Therapies	Wen Liu, Huichang Bi
68	New Horizons of Molecular Mechanisms in Cardiovascular Disease Research	Eugene Chen, Hong Chen
69	Structures of Immune Complexes	Tianmin Fu
70	Wnt signaling pathway	Xi He

3:00 - 3:15 pm Coffee/Tea break

3:15 pm - 4:15pm Career Development Session (Chairs: Xianfan Wang and Lee Zou)

4:20 pm - 5:30pm Final Joint Session: Special Lecture and Closing Remarks

**4:20 - 5:00pm Special Lecture: Zhu Chen (Red Cross Society of China)
Title: Prevention and control of non-communicable chronic diseases in China**

5:00 - 5:30pm Meeting Summary Remarks: SCBA/CBIS/Guizhou

5:30 – 6:30pm Pre-Dinner Social activities

6:30 – 9:00pm Closing Banquet

Day 5, July 30 (Tuesday)

Departure

Whole day excursion options available for sightseeing (registration required)