

# The 17th Australian Association of Chinese Biomedical Scientists (AACBS) Annual Scientific Meeting Program



## Theme: New Journey

**Date:** Sunday, 12 November 2023

**Venue:** Southern Sydney Event Centre, Club Central Hurstville, 2 Croft Ave, Hurstville NSW 2220 (2 minutes' walk from Hurstville train station, \$10 flat rate on-site parking)

**Presenting language:** English or Chinese

**Organizing committee:** AACBS Academic, Communication and EMCR Committees (Chair: A/Prof Yanchuan Shi, Prof Chao Deng, Dr Kevin Ni, Prof Xudong Zhang, A/Prof Lei Jin, A/Prof Xinming Chen, A/Prof Tao Liu, Dr Peter Su, A/Prof Qi Cao, Dr Yuchen Feng, Dr Dongli Liu)

### 9:00 - 9:30 REGISTRATION & MEMBERSHIP REGISTRATION/RENEWAL

### 9:30 - 10:00 OPENING SPEECH AND ANNUAL GENERAL MEETING

Honorary President's Report: A/Prof Belamy Cheung (张素冰, CCI)

President's Report: Dr Jacob Qi (齐延飞, Centenary Institute)

Treasurer's Report: Dr Bin Wang (王斌, UNSW)

### 10:00 - 10:50 INVITED KEYNOTES (20min talk +5 Min Q&A)

Chairs: Prof Yong Li (李勇, UNSW), Prof Xudong Zhang (张旭东, UoN)

1. Professor Jing Sun (孙静, Griffith University): *Multi-modal computational machine learning analysis and its application in multiple sclerosis and chronic disease research*
2. Dr Chi Kin (Kenny) Ip (叶智坚, Garvan/CCI): *Untangling the NPY neural circuits in understanding the development of eating disorders and brain diseases.*

### 10:50-11:05 Platinum sponsor speech

Chair: A/Prof Bing Yu (俞斌, USyd)

Jillian Xue (薛锦), RWD Life Science APAC Sales& Marketing Director

### 11.05-11.15 Gold sponsor product introduction

Chair: A/Prof Donna Lai (黎扬, WSU)

- Genscript
- John Zhang, 9 Solutions Finance

### 11:15-11:30 Morning Tea break (15 min)

### 11:30 – 12:30 EMCR INVITED TALKS - Session 1 (12min+3min/each)

Chairs: A/Prof Tao Liu (刘涛, CCI), A/Prof Lei Jin (金雷, UON)

1. A/Prof Bingyang Shi (师冰洋, Macquarie Uni): *New strategies for brain drug development from new target discovery to blood-brain barrier (BBB) penetrative nanomedicine*

2. Dr Peng Zheng (郑鹏, UOW): *Repair neurite by modulating D2 receptor complex relevant to schizophrenia*
3. Dr Yuanyuan Deng (邓媛媛, Macquarie Uni): *Loss of LAMP5 interneurons drives neuronal network dysfunction in Alzheimer's disease*
4. Dr Jiaojiao Li (李佼佼, UTS): *Regenerative approaches for treating bone and joint diseases*

### 12:30 – 12:40 GROUP PHOTO

Dr Kevin Ni (倪杰, St George Hospital)

### 12:40 – 13:10 LUNCH BREAK & NETWORKING (30 min)

### 13:10 – 14:10 EMCR INVITED TALKS - Session 2 (12min+3min/each)

Chairs: A/Prof Belamy Cheung (张素冰 CCI), Dr Johnson Liu (UNSW)

5. Dr Yuchen Feng (冯雨辰 UoN): *MILIP drives triple-negative breast cancer through complexing with transfer RNAs to promote protein production*
6. Dr Yanran Zhao (赵嫣然, UNSW): *Functional characterisation of antigen-specific CD8 Tscm during hepatitis C virus reinfection and clearance*
7. Dr Jing Wu (吴静, CCI): *Identification and Functional Characterization of the Novel Long Noncoding RNA IncKK in Neuroblastoma*
8. Dr Xiao Hong Zhao (赵小红, UoN): *p53 underpins a dependence on oxidative phosphorylation in glycolysis-competent colorectal cancer*

### 14:10 – 15:00 HDR STUDENTS PRESENTATIONS (5min+2min/each)

Judging panel Chaired by A/Prof Fanfan Zhou (周凡凡 USyd), A/Prof Li Zhang (张丽, UNSW)  
(Excellent HDR presentations will be awarded: 1 x 1<sup>st</sup> Prize, 2 x 2<sup>nd</sup> Prize, 4 x 3<sup>rd</sup> Prize)

#### Session 1

Chairs: Dr Peter Su (苏乾, UTS), Dr Yuchen Feng (冯雨辰, UoN),

1. Chenxu Yan (严晨旭, Garvan): *Brown adipose tissue and Glucose Homeostasis*
2. Zheng (John) Su (苏政, UNSW): *Unsupervised Deep Learning of Gene Regulatory Network from 700K Bulk RNA-seq Samples*
3. Liang Xu (徐良, UoN): *The small nucleolar RNA SNORD80 guides the 2'-O-Methylation of the long noncoding RNA GAS5 to regulate cellular stress responses*
4. Weijie Yi (衣卫杰, UOW): *Exercise intervention for improving risperidone-induced lipid metabolic disorder and neuroplasticity*
5. Qi (Kevin) Wu (吴琦, Garvan): *Salt's effect on metabolism under cold exposure*
6. Yingxin Jiang (姜瀛昕, Centenary): *Deep serum lipidomics to assess individualized metabolic benefits of successful weight loss*
7. Divyesh Naidu (Garvan, UNSW): *The Effect of a High Salt Diet on the Efficacy of GLP-1 Receptor Agonists in Obesity and Diabetes*

### 15:00-15:10 Afternoon Tea break (10 min)

**15:10 – 16:00 HDR STUDENTS PRESENTATIONS - Session 2** (5min+2min/each)

Chairs: Dr Yuanyuan Deng (邓媛媛, Macquarie Uni), and Dr Peng Zheng (郑鹏, UOW)

8. Janney Z Wang (USyd): *A novel kinase inhibitor is a potential drug for human Uveal Melanoma*
9. Xi CHEN (陈曦, UOW): *Impaired mitophagosome–lysosome fusion mediates olanzapine-induced aging*
10. Yihe Niu (牛奕荷, USyd): *Develop the first 125I-resistant Uveal Melanoma Culture Models*
11. QI WANG (王启, UNSW): *Study extracellular vesicles and particles proteins for prostate cancer diagnosis, risk stratification, metastasis monitoring and therapeutics*
12. Ran Xu (徐然, UoN): *Targeting mitochondrial protein biosynthesis for lung squamous cell carcinoma treatment*
13. Yu (Jerry) Huang (黄禹, Centenary): *Impacts of intracellular lipid mobilisation on endothelial dysfunction*
14. Carrie Huang (Centenary): *Depletion of dipeptidyl peptidase 9 (DPP9) in mouse hepatocytes elevates inflammation markers in an experimental model of hepatocellular carcinoma*

**16:00 – 16:10 AACBS RESEARCH EXCELLENCE AWARDS**

Presented by Prof Chao Deng (邓超, UOW) & A/Prof Lei Jin (金雷, UON)

**16:10 – 16:20 BEST PhD STUDENT PRESENTATION AWARD CEREMONY**

Presented by Dr Jacob Qi (齐延飞, Centenary) & A/Prof Yanchuan Shi (石雁川, Garvan)

**16:20 – 16:40 AACBS SERVICE EXCELLENCE AWARD**

Presented by previous Service Award recipients:  
Prof Yong Li (李勇, UNSW) & A/Prof Yanchuan Shi (石雁川, Garvan)

**16:40 CLOSING REMARK** Vice President: A/Prof Yanchuan Shi (石雁川, Garvan)

