

# 会议日程 Agenda

| 会议注册 Conference Registration                                                                                              |                                                                       |                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5月9日<br>13:30-17:30                                                                                                       | 会议注册<br>Conference<br>Registration                                    | 上海市第一人民医院南院区<br>会议中心1楼（上海松江），<br>松江区新松江路650号<br><br>Conference Center Ground Floor<br>South Campus of<br>Shanghai General Hospital<br>No 650, New Songjiang Road,<br>Songjiang District.                                                |
| 5月10日<br>8:00-17:30                                                                                                       | 会议注册<br>Conference<br>Registration                                    |                                                                                                                                                                                                                                         |
| 5月11日<br>9:00-17:30                                                                                                       | 会议注册<br>Conference<br>Registration                                    |                                                                                                                                                                                                                                         |
| 会议壁报 Conference Posters<br>上海市第一人民医院南院区会议中心2楼<br>Conference Center Second Floor South Campus of Shanghai General Hospital |                                                                       |                                                                                                                                                                                                                                         |
| 5月10日<br>12:00-16:00                                                                                                      | 张贴壁报<br>Set up Posters                                                | 主持人 <b>Session chair</b><br>韩梅 河北医科大学<br><b>Mei Han, Hebei Medical University</b><br>陈晓伟 北京大学<br><b>Xiaowei Chen, Peking University</b><br>甘振继 南京大学模式动物研究所<br><b>Zhenji Gan, Model Animal Research Center of<br/>Nanjing University</b> |
| 5月10日<br>16:00-18:00                                                                                                      | 壁报展示<br>Posters presentations                                         |                                                                                                                                                                                                                                         |
| 5月11日<br>16:30-18:30                                                                                                      | 壁报展示<br>Posters presentations<br>最佳墙报评审<br>Poster Reward Competitions |                                                                                                                                                                                                                                         |
| 正式代表会议晚宴<br>Formal Delegates Conference Dinner                                                                            |                                                                       |                                                                                                                                                                                                                                         |
| 5月11日<br>19:00-21:30                                                                                                      | 晚宴<br>Conference Dinner                                               | 上海新晖大酒店<br>(松江区文诚路765号)<br>Neo-Sunshine Hotel Shanghai                                                                                                                                                                                  |

# 会议日程 Agenda

| 2019年5月10日上午（10 May, 2019）2楼 延桂厅（共2个分会场）                                              |                                                                                       |                                                                                                                    |
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| 主持人 <b>熊熙文</b> 新乡医学院<br>Session chair <b>Xiwen Xiong, Xinxiang Medical University</b> |                                                                                       |                                                                                                                    |
| 时间/Time                                                                               | 报告人/Speaker                                                                           | 题目/Title                                                                                                           |
| 9:00-9:20                                                                             | 卜鹏程 中科院生物物理所<br><b>Pengcheng Bu, Institute of biophysics, CAS</b>                     | ANGPTL2/CD146/CREB axis drives obesity by regulation of adipogenesis                                               |
| 9:20-9:40                                                                             | 高明辉 哈尔滨工业大学<br><b>Minghui Gao, Harbin Institute of Technology</b>                     | To eat or not to eat- the metabolic flavor of ferroptosis                                                          |
| 9:40-10:00                                                                            | 陈雷 北京大学<br><b>Lei Chen, Peking University</b>                                         | The inhibitory mechanism of insulin secretagogues on pancreatic KATP channel                                       |
| 10:00-10:20                                                                           | 饶枫 南方科技大学<br><b>Feng Rao, Southern University of Science and Technology</b>           | A novel GPCR messenger mediating cholinergic stimulation of synaptotagmin-dependent insulin exocytosis and obesity |
| 10:20-10:40                                                                           | 茶歇/Tea Break                                                                          |                                                                                                                    |
| 主持人 <b>孟卓贤</b> 浙江大学<br>Session chair <b>Zhuoxian Meng, Zhejiang University</b>        |                                                                                       |                                                                                                                    |
| 10:40-11:00                                                                           | 朴海龙 中国科学院大连化学物理研究所<br><b>Hailong Piao, Dalian Institute of Chemical Physics, CAS</b>  | Metabolomics profiling of metformin-mediated metabolic reprogramming bypassing AMPK $\alpha$                       |
| 11:00-11:20                                                                           | 管敏 中国科学院深圳先进技术研究院<br><b>Min Guan, Shenzhen Institutes of Advanced Technology, CAS</b> | Metabolic transition during osteogenic differentiation and mineralization of mesenchymal stem cells                |
| 11:20-11:40                                                                           | 周军 华中科技大学<br><b>Jun Zhou, Huazhong University of Science and Technology</b>           | Abrogation of selenoprotein S activates AMPK to alleviate hepatic steatosis and insulin resistance                 |
| 11:40-12:00                                                                           | 徐涛 中山大学<br><b>Tao Xu, Sun Yat-Sen University</b>                                      | Metabolic control of T Cell fate                                                                                   |
| 12:00-13:00                                                                           | 午餐/Lunch Break                                                                        |                                                                                                                    |

第三届中国生物物理学会代谢生物学会学术研讨会（2019）

| 2019年5月10日上午（10 May, 2019）3楼 彭熙厅                      |                                                                                 |                                                                                                                                                                       |
|-------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 主持人<br>Session chair                                  |                                                                                 |                                                                                                                                                                       |
| 马欣然 华东师范大学<br>Xinran Ma, East China Normal University |                                                                                 |                                                                                                                                                                       |
| 时间/Time                                               | 报告人/Speaker                                                                     | 题目/Title                                                                                                                                                              |
| 9:00-9:20                                             | 贝毅桦 上海大学<br>Yihua Bei, Shanghai University                                      | microRNA-210 is necessary for exercise-induced cardiomyocyte proliferation and mediates the beneficial effect of exercise against cardiac ischemia-reperfusion injury |
| 9:20-9:40                                             | 胡芳 中南大学湘雅二院<br>Fang Hu, the Second Xiangya Hospital of Central South University | Adipose tissues as a target for metabolic diseases                                                                                                                    |
| 9:40-10:00                                            | 段晶晶 南昌大学<br>Jingjing Duan, Nanchang University                                  | Ongoing approaches of studying sphingolipids in aging                                                                                                                 |
| 10:00-10:20                                           | 高明明 河北医科大学<br>Mingming Gao, Hebei Medical University                            | GPAT3 deficiency alleviates insulin resistance and hepatic steatosis in a mouse model of severe congenital generalized lipodystrophy                                  |
| 10:20-10:40                                           | 茶歇/Tea Break                                                                    |                                                                                                                                                                       |
| 主持人<br>Session chair                                  |                                                                                 |                                                                                                                                                                       |
| 钟清 上海交通大学<br>Qing Zhong, Shanghai Jiaotong University |                                                                                 |                                                                                                                                                                       |
| 10:40-11:00                                           | 林树海 厦门大学<br>Shuhai Lin, Xiamen University                                       | Identification of metabolic vulnerabilities of receptor tyrosine kinases-driven cancer                                                                                |
| 11:00-11:20                                           | 肖俊宇 北京大学<br>Junyu Xiao, Peking University                                       | Cryo-EM structure of human mitochondrial trifunctional protein                                                                                                        |
| 11:20-11:40                                           | 郑怡 陆军军医大学<br>Yi Zheng, Army medical college                                     | Mitochondrial glycerol 3-phosphate dehydrogenase promotes skeletal muscle regeneration during obesity and diabetes                                                    |
| 11:40-12:00                                           | 芦小单 吉林省人民医院<br>Xiaodan Lu,<br>Jilin Province People's Hospital                  | Mitochondrial integrity in beige adipose tissue                                                                                                                       |
| 12:00-13:00                                           | 午餐/Lunch Break                                                                  |                                                                                                                                                                       |

# 会议日程 Agenda

| 2019年5月10日下午 (10 May, 2019) 1楼成武厅 (共3个分会场) |                                                                                                                           |                                                                                                                                                                                                                                                                           |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 主持人<br>Session chair                       |                                                                                                                           | 梁斌 中国科学院昆明动物所<br>Bin Liang, Kunming institute of zoology, CAS                                                                                                                                                                                                             |
| 时间/Time                                    | 报告人/Speaker                                                                                                               | 题目/Title                                                                                                                                                                                                                                                                  |
| 13:00-13:15                                | 崔留娟 中科院生物物理所<br>Liujuan Cui, Institute of biophysics, CAS                                                                 | Lipid droplets and mitochondria form a preorganized organelle complex in brown adipocytes                                                                                                                                                                                 |
| 13:15-13:30                                | 姜如娇 大连医科大学<br>Rujiao Jiang, Dalian Medical University                                                                     | Liver-specific deletion of growth hormone receptor induced the pathogenesis of nonalcoholic steatohepatitis                                                                                                                                                               |
| 13:30-13:45                                | 林燕 合肥工业大学<br>Yan Lin, Hefei University of Technology                                                                      | Peripheral cathepsin L inhibition induces fat loss in <i>C. elegans</i> and mice by promoting central serotonin synthesis                                                                                                                                                 |
| 13:45-14:00                                | 刘林 南京大学模型动物研究中心<br>Lin Liu, Model Animal Research Center of Nanjing University                                            | Coupling of COPII vesicle trafficking to nutrient availability by the IRE1-XBP1s axis                                                                                                                                                                                     |
| 14:00-14:15                                | 罗云飞 南昌大学<br>Yunfei Luo, Nanchang University                                                                               | Influences of hypoxia environment in management of inflammation and immune in obesity                                                                                                                                                                                     |
| 14:15-14:40                                | 茶歇/Tea Break                                                                                                              |                                                                                                                                                                                                                                                                           |
| 主持人<br>Session chair                       |                                                                                                                           | 吴连峰 西湖大学<br>Lianfeng Wu, Westlake University                                                                                                                                                                                                                              |
| 14:40-14:55                                | 袁业现 华南农业大学<br>Yexian Yuan, South China Agricultural University                                                            | Accumulation of $\alpha$ -ketoglutaric acid prevents diet-induced obesity by adrenal activation of adipose tissue thermogenesis and lipolysis                                                                                                                             |
| 14:55-15:10                                | 仲珊珊 中科院上海生命科学研究院<br>Shanshan Zhong, Shanghai institute of life sciences, CAS                                              | Mitochondrial aldehyde dehydrogenase 2 regulates hepatic cholesterol homeostasis                                                                                                                                                                                          |
| 15:10-15:25                                | 朱文娇 上海交大医学院附属九院<br>Wenjiao Zhu, the Ninth People's Hospital Affiliated to Shanghai Jiaotong University School of Medicine | Oxidative stress increases the 17,20-lyase-catalyzing activity of adrenal P450c17 through p38 $\alpha$ in the development of hyperandrogenism                                                                                                                             |
| 15:25-15:40                                | 孙芳芳 清华大学<br>Fangfang Sun, Tsinghua University                                                                             | Hepatic DNAJB9 drives anabolic biasing to reduce steatosis and obesity                                                                                                                                                                                                    |
| 15:40-15:55                                | 李庆飞 中国海洋大学<br>Qingfei Li, Ocean University of China                                                                       | Insights into differential transcriptional regulation of <i>elovl5</i> involved in long-chain polyunsaturated fatty acid (LC-PUFA) biosynthesis in marine large yellow croaker ( <i>Larimichthys crocea</i> ) and freshwater rainbow trout ( <i>Oncorhynchus mykiss</i> ) |

第三届中国生物物理学会代谢生物学分会学术研讨会（2019）

| 2019年5月10日下午（10 May, 2019）2楼 延桂厅                                                   |                                                                                                |                                                                                                                    |
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| 主持人<br>Session chair                                                               |                                                                                                |                                                                                                                    |
| 郭非凡 中国科学院上海营养与健康研究院<br>Feifan Guo, Shanghai Institute of Nutrition and Health, CAS |                                                                                                |                                                                                                                    |
| 时间/Time                                                                            | 大会报告人/ Plenary Speaker                                                                         | 题目/Title                                                                                                           |
| 13:00-13:40                                                                        | <b>John Speakman</b><br>中科院遗传与发育生物学研究所<br>Institute of Genetics and Developmental Biology, CAS | Impact of dietary fat on memory.                                                                                   |
| 时间/Time                                                                            | 报告人/ Speaker                                                                                   | 题目/Title                                                                                                           |
| 13:40-14:00                                                                        | 石雁川 澳大利亚悉尼加文医学研究所<br><b>Yanchuan Shi,</b><br><i>Garvan Institute of medical Research</i>       | Peripheral Y1 receptor antagonism promotes browning of white adipose tissue and protects from diet-induced obesity |
| 14:00-14:20                                                                        | 王巧平 中山大学<br><b>Qiaoping Wang, Sun Yat-sen University</b>                                       | Identification of novel factors for obesity                                                                        |
| 14:20-14:40                                                                        | 茶歇/Tea Break                                                                                   |                                                                                                                    |
| 主持人<br>Session chair                                                               |                                                                                                |                                                                                                                    |
| 廖勇 重庆医科大学<br>Yong Liao, Chongqing Medical University                               |                                                                                                |                                                                                                                    |
| 14:40-15:00                                                                        | 谢岑 上海药物研究所<br><b>Cen Xie, Shanghai institute of materia medica</b>                             | Fatty acid sensor PPAR $\alpha$ controlling bile acid metabolism                                                   |
| 15:00-15:20                                                                        | 田焯<br>中国科学院遗传与发育生物学研究所<br><b>Ye Tian, Institute of Genetics and Developmental Biology, CAS</b> | Wnt signaling mediates intercellular mitochondrial homeostasis and metabolism                                      |
| 15:40-16:00                                                                        | 周大鹏 同济大学<br><b>Dapeng Zhou, Tongji University</b>                                              | Metabolism of immunologic glycosphingolipid epitopes                                                               |
| 16:00-16:20                                                                        | 钟文彬 济南大学<br><b>Wenbin Zhong, Jinan University</b>                                              | ORP4L bridges plasma membrane PIP2 metabolism to mitochondria oxidative phosphorylation in leukemia                |

第三届中国生物物理学会代谢生物学会学术研讨会（2019）

| 2019年5月10日下午（10 May, 2019）3楼 彭熙厅                  |                                                                                                       |                                                                                                               |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 主持人<br>Session chair                              |                                                                                                       |                                                                                                               |
| 王琰 武汉大学<br>Yan Wang, Wuhan University             |                                                                                                       |                                                                                                               |
| 时间/Time                                           | 报告人/ Speaker                                                                                          | 题目/Title                                                                                                      |
| 13:00-13:20                                       | 洪诗雅 哈佛大学<br><b>Hornng Tiffany,</b><br><i>Harvard T.H. Chan School of Public Health</i>                | Glycerol phosphate shuttle enzyme GPD2 drives glucose oxidation to regulate macrophage inflammatory responses |
| 13:20-13:40                                       | 刘际 中国科学技术大学<br><b>Ji Liu,</b> <i>University of Science and Technology of China</i>                    | Hypothalamic glucagon like peptide-1(GLP-1) regulates food intake                                             |
| 13:40-14:00                                       | 张代民 南京第一医院, 南京医科大学<br><b>Dai-Min Zhang,</b> <i>Nanjing First Hospital, Nanjing Medical University</i> | Regulation of BK channel by AKAP-mediated GSK3 $\beta$ Signaling in diabetes mellitus                         |
| 14:20-14:40                                       | 茶歇/Tea Break                                                                                          |                                                                                                               |
| 主持人<br>Session chair                              |                                                                                                       |                                                                                                               |
| 李仲 南京医科大学<br>Zhong Li, Nanjing Medical University |                                                                                                       |                                                                                                               |
| 14:40-15:00                                       | 王丽 澳门大学<br><b>Li Wang,</b> <i>University of Macau</i>                                                 | GSK3 modulates adipogenesis and contributes to obesity induced adipose tissue inflammation                    |
| 15:00-15:20                                       | 李进 上海大学<br><b>Jin Li,</b> <i>Shanghai University</i>                                                  | Inhibition of lncRNA MAAT contributes to multiple types of muscle atrophy                                     |
| 15:20-15:40                                       | 杨文 上海科技大学<br><b>Wen Yang,</b> <i>Shanghai university of science and technology</i>                    | Parabrachial prodynorphin neurons negatively regulate BAT thermogenesis to promote heat loss                  |
| 15:40-16:00                                       | 黄小帅 北京大学<br><b>Xiaoshuai Huang,</b> <i>Peking University</i>                                          | Structured illumination microscopy imaging of mitochondria in living cells                                    |

# 会议日程 Agenda

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| 2019年5月11日上午（11 May, 2019）2楼延桂厅（共1个主会场）                                                                                                                |                                                                                                   |                                                                                                  |
| 主持人 杨洪远 澳大利亚南威尔士大学<br>Session chair <b>Hongyuan Yang, University of New South Wales, Australia</b>                                                     |                                                                                                   |                                                                                                  |
| 08:30-08:50                                                                                                                                            | 开幕式/Opening Address                                                                               |                                                                                                  |
|                                                                                                                                                        | 李蓬 清华大学 中国科学院院士<br><b>Peng Li, Tsinghua University</b><br>Academician, Chinese Academy of Science |                                                                                                  |
| 主持人 宋保亮 武汉大学生命科学学院<br>Session chair <b>Baoliang Song, Wuhan University School of Life Science</b>                                                      |                                                                                                   |                                                                                                  |
| 时间/Time                                                                                                                                                | 大会报告人/ Plenary Speaker                                                                            | 题目/Title                                                                                         |
| 08:50-9:40                                                                                                                                             | <b>Ta Yuan Chang /Catherine Chung Yao Chang</b><br><i>Geisel School of Medicine at Dartmouth</i>  | Cellular cholesterol esterification and neurodegenerative diseases                               |
| 9:40- 10:10                                                                                                                                            | 合影和茶歇/Group Photo and Tea Break                                                                   |                                                                                                  |
| 主持人 杨洪远 澳大利亚南威尔士大学<br>Session chair <b>Hongyuan Yang, University of New South Wales, Australia</b><br>赵世民 复旦大学<br><b>Shimin Zhao, Fudan University</b> |                                                                                                   |                                                                                                  |
| 10:10-10:50                                                                                                                                            | <b>Karin Reinisch</b><br><i>Yale School of Medicine, USA</i>                                      | On the role of lipid transporters in membrane lipid homeostasis                                  |
| 10:50-11:20                                                                                                                                            | <b>Andrew Brown</b><br><i>University of New South Wales, Australia</i>                            | Regulated protein degradation and lipid sensing: Lessons from a key cholesterol synthesis enzyme |
| 11:20-11:50                                                                                                                                            | <b>Jen Liou</b><br><i>UT Southwestern Medical Center, USA</i>                                     | Regulation of lipid metabolism at inter-organelle membrane contact sites                         |
| 主持人 刘铁民 复旦大学<br>Session chair <b>Tiemin Liu, Fudan University</b>                                                                                      |                                                                                                   |                                                                                                  |
| 11:50-12:00                                                                                                                                            | 刘铁民 复旦大学<br><b>Tiemin Liu, Fudan University</b>                                                   | 基金委调研项目-代谢基础研究资助现状和未来重点突破方向问题介绍                                                                  |
| 12:00-12:10                                                                                                                                            | <b>Felix Xu</b> 珀金埃尔默企业管理（上海）有限公司<br>Market Development Supervisor                                | 从经典分析到前沿应用，PerkinElmer代谢解决方案与您同行                                                                 |
| 12:10-12:20                                                                                                                                            | <b>朱莺</b> 卡尔蔡司（上海）管理有限公司<br>高级产品技术支持                                                              | 超高分辨显微成像技术创新进展                                                                                   |
| 12:20-12:30                                                                                                                                            | <b>周春源</b> 尼康仪器（上海）有限公司<br>生物显微镜应用工程师                                                             | 洞见生命的细节——尼康活细胞超分辨成像方案指南                                                                          |
| 12:30-13:30                                                                                                                                            | 午餐/ Lunch Break                                                                                   |                                                                                                  |

第三届中国生物物理学会代谢生物学会学术研讨会（2019）

| 2019年5月11日下午（11 May, 2019）1楼成武厅（共3个分会场） |                                                                                                    |                                                                                                                                                          |
|-----------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 代谢组学 workshop                           |                                                                                                    |                                                                                                                                                          |
| 主持人<br>Session chair                    |                                                                                                    | 唐惠儒 复旦大学<br><b>Huiru Tang, Fudan University</b><br>黄勋 中科院遗传与发育生物学研究所<br><b>Xun Huang, Institute of Genetics and Developmental Biology, ACS</b>           |
| 时间/Time                                 | 报告人/Speaker                                                                                        | 题目/Title                                                                                                                                                 |
| 13:30-14:00                             | 尹慧勇 中国科学院上海生命科学研究院<br><b>Huiyong Yin, Shanghai Institute of Nutrition and Health, CAS</b>          | Acetaldehyde dehydrogenase 2 interactions with LDLR and AMPK regulate foam cell formation                                                                |
| 14:00-14:30                             | 赵玉政 华东理工大学<br><b>Yuzheng Zhao, East China University of Science and Technology</b>                 | Real-time imaging of metabolic state in living cells and in vivo with genetically encoded fluorescent sensors                                            |
| 14:30- 15:00                            | 刘心昱 中科院大连化物所<br><b>Xinyu Liu, Dalian Institute of Chemical Physics, CAS</b>                        | Liquid chromatography-mass spectrometry based metabolomics technology and its applications                                                               |
| 15:00-15:30                             | 许风国 中国药科大学<br><b>Fengguo Xu, China Pharmaceutical University</b>                                   | An extendable all-in-one injection twin derivatization LC-MS/MS strategy for the absolute quantification of multiple chemical-group-based submetabolomes |
| 主持人<br>Session chair                    |                                                                                                    | 芦小单 吉林省人民医院<br><b>Xiaodan Lu, Jilin Provincial People's Hospital</b>                                                                                     |
| 15:30-15:40                             | 周新闻 青岛腾龙微波科技有限公司<br>执行副总经理-剑桥同位素实验室公司                                                              | 稳定同位素在代谢分析中的应用                                                                                                                                           |
| 15:40-15:50                             | <b>Harry Knot</b> 安第斯抗体生物技术衡水有限公司<br>PharmD PhD / CTO TSE Systems International Group              | Indirect calorimetry & functional microbiome research from animal models to human application<br>从动物模型到人类应用的间接量热法和功能性微生物组研究                              |
| 15:50-16:00                             | 胡雨微 北京普利莱基因技术有限公司                                                                                  | 普利莱脂代谢生化指标试剂盒简介                                                                                                                                          |
| 16:00-16:10                             | 江峥 上海爱博才思分析仪器贸易有限公司<br>AB SCIEX中国，组学市场开发经理                                                         | 降本增效——微流代谢组学全景分析                                                                                                                                         |
| 16:10-16:20                             | 周慧容 迈维代谢（武汉迈特维尔医学科技有限公司）<br>产品经理                                                                   | 如何利用代谢组学发高分文章                                                                                                                                            |
| 16:20-16:30                             | 王耀 和元生物技术（上海）股份有限公司<br>市场总监                                                                        | 病毒载体给你更好的代谢研究                                                                                                                                            |
| 16:30-16:40                             | <b>Chris Adam</b> Columbus Instruments, 上海达桑实业有限公司<br>Global Sales Manager of Columbus Instruments | 哥伦布HTS新型实验动物能量代谢监测系                                                                                                                                      |



第三届中国生物物理学会代谢生物学会学术研讨会（2019）

| 2019年5月11日下午（11 May, 2019）2楼延桂厅                                                                                                                                       |                                                                                           |                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| <b>主持人</b><br><b>Session chair</b>                                                                                                                                    |                                                                                           |                                                                                                       |
| 王宪 北京大学医学部<br><i>Xian Wang, Peking University Health Science Center</i><br>汤其群 复旦大学基础医学院<br><i>Qiqun Tang, The School of Basic Medical Sciences, Fudan University</i> |                                                                                           |                                                                                                       |
| 时间/Time                                                                                                                                                               | 报告人/Speaker                                                                               | 题目/Title                                                                                              |
| 13:30-14:00                                                                                                                                                           | 高翔 南京大学<br><i>Xiang Gao, Nanjing University</i>                                           | Epidermis activated Gsdma3 enhance thermogenesis of brown adipose tissue through IL-6/Stat3 signaling |
| 14:00-14:30                                                                                                                                                           | 刘健 合肥工业大学<br><i>Jian Liu, Hefei University of Technology</i>                              | Functional inactivation of mast cell enhances subcutaneous adipose tissue browning in mice            |
| 14:30-15:00                                                                                                                                                           | 翟琦巍 中国科学院上海营养与健康研究院<br><i>Qiwei Zhai, Shanghai Institute of Nutrition and Health, CAS</i> | Sarm1 gene deficiency attenuates diabetic peripheral neuropathy in mice                               |
| <b>主持人</b><br><b>Session chair</b>                                                                                                                                    |                                                                                           |                                                                                                       |
| 刘勇 武汉大学<br><i>Yong Liu, Wuhan University</i>                                                                                                                          |                                                                                           |                                                                                                       |
| 15:00-15:25                                                                                                                                                           | 张文程 山东大学齐鲁医院<br><i>Wencheng Zhang, Qilu Hospital of Shandong University</i>               | Adipose HuR protects against diet-induced obesity and insulin resistance in mice                      |
| 15:25-15:50                                                                                                                                                           | 何金汗 四川大学附属华西医院<br><i>Jinhan He, West China Hospital, Sichuan University</i>               | The role of 5-lipoxygenase in liver fibrosis                                                          |
| <b>主持人</b><br><b>Session chair</b>                                                                                                                                    |                                                                                           |                                                                                                       |
| 孙宏斌 中国药科大学<br><i>Hongbin Sun, China Pharmaceutical University</i>                                                                                                     |                                                                                           |                                                                                                       |
| 15:50-16:00                                                                                                                                                           | 王宏宇 江苏集萃药康生物科技有限公司<br>技术顾问，                                                               | 小鼠模型在代谢研究中的应用                                                                                         |
| 16:00-16:10                                                                                                                                                           | 黎静 安捷伦科技有限公司上海第一分公司<br>安捷伦细胞分析事业部技术专家                                                     | 安捷伦细胞能量代谢分析技术的应用                                                                                      |
| 16:10-16:20                                                                                                                                                           | 范超 怡耀科学仪器（上海）有限公司<br>Sable Promethion 中国代表处 产品经理                                          | 前沿的能量代谢测量技术简介                                                                                         |
| 16:20-16:30                                                                                                                                                           | 柴美坚 上海赞德医疗器械有限公司<br>赞德仪器 产品工程师                                                            | 最高分辨率能量代谢检测--O2K线粒体功能测定系统                                                                             |
| <b>主持人</b><br><b>Session chair</b>                                                                                                                                    |                                                                                           |                                                                                                       |
| 刘铁民 复旦大学<br><i>Tiemin Liu, Fudan University</i>                                                                                                                       |                                                                                           |                                                                                                       |
| 16:30-17:00                                                                                                                                                           | 中国生物物理学会代谢生物学会理事会议                                                                        |                                                                                                       |

第三届中国生物物理学会代谢生物学会学术研讨会（2019）

| 2019年5月11日下午（11 May, 2019）3楼彭熙厅                                                                                                                                     |                                                                    |                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------------|
| 免疫代谢 workshop                                                                                                                                                       |                                                                    |                                                                         |
| 主持人<br>Session chair                                                                                                                                                |                                                                    |                                                                         |
| 许琛琦 中科院生化与细胞所<br>Chenqi Xu, Shanghai Institute of Biochemistry and Cell Biology, CAS<br>章卫平 海军军医大学（第二军医大学）<br>Weiping Zhang, The Second Military Medical University |                                                                    |                                                                         |
| 时间/Time                                                                                                                                                             | 报告人/Speaker                                                        | 题目/Title                                                                |
| 13:30-14:00                                                                                                                                                         | 王迪 浙江大学<br>Di Wang, Zhejiang University                            | Crosstalk between cholesterol metabolism and inflammation               |
| 14:00-14:30                                                                                                                                                         | 武多娇 复旦大学附属中山医院<br>Duoqiao Wu, Zhongshan Hospital, Fudan University | The complex interplay between lipid metabolism and immune cell function |
| 14:30- 15:00                                                                                                                                                        | 曾文文 清华大学<br>Wenwen Zeng, Tsinghua University                       | Neural regulation of adipose tissue plasticity                          |
| 15:00- 15:30                                                                                                                                                        | 李华兵 上海交通大学<br>Huabing Li, Shanghai Institute of Immunology         | RNA metabolism in immune cells and inflammation                         |
| 主持人<br>Session chair                                                                                                                                                |                                                                    |                                                                         |
| 王茹 上海体育学院<br>Ru Wang, Shanghai University of Sport                                                                                                                  |                                                                    |                                                                         |
| 15:30-15:40                                                                                                                                                         | 董路娜 碧迪医疗器械（上海）有限公司<br>（BD）Sr. Application Specialist               | 流式在代谢生物学中的应用                                                            |
| 15:40-15:50                                                                                                                                                         | 周天行 常州中科脂典生物技术有限责任公司<br>中科脂典 销售经理                                  | 高覆盖/深度脂质组学及代谢组学分析                                                       |
| 15:50-16:00                                                                                                                                                         | 王洋 麦特绘谱生物科技(上海)有限公司<br>技术支持                                        | 代谢组学研究-----助力您科研更上一层楼                                                   |
| 16:00-16:10                                                                                                                                                         | 杨明华 汇佳生物股份中国有限公司<br>产品经理                                           | 清醒动物及临床代谢分析设备介绍                                                         |
| 16:10-16:20                                                                                                                                                         | 詹翼 上海仁科生物科技有限公司<br>产品经理                                            | 微芯片CE-MS 对小分子代谢物的快速表征                                                   |
| 16:20-16:30                                                                                                                                                         | Lily ZHAO 牛津仪器科技（上海）有限公司<br>Regional Sales Manager                 | Imaris: 3/4D Image Visualization and Analysis                           |
| 16:30-16:40                                                                                                                                                         | 徐静静 沃特世科技（上海）有限公司<br>应用工程师                                         | 聚焦Waters靶向代谢组学、脂质组学解决方案--让您的分析更快速、精准                                    |

第三届中国生物物理学会代谢生物学会学术研讨会（2019）

| 2019年5月12日（12 May, 2019）1楼成武厅                                                                                                                        |                                                                                                    |                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 主持人<br><b>Session chair</b>                                                                                                                          |                                                                                                    |                                                                                                                                                                        |
| 李小英 复旦大学附属中山医院<br><b>Xiaoying Li, Zhongshan Hospital Affiliated to Fudan University</b><br>高鑫 中山医院<br><b>Xin Gao, ZhongShan Hospital</b>             |                                                                                                    |                                                                                                                                                                        |
| 时间/Time                                                                                                                                              | 报告人/Speaker                                                                                        | 题目/Title                                                                                                                                                               |
| 9:40-10:10                                                                                                                                           | 罗志军 南昌大学<br><b>Zhijun Luo, Nanchang University</b>                                                 | Regulation of energy homeostasis by phosphatidylethanolamine binding protein 4 (PEBP4)                                                                                 |
| 10:10- 10:40                                                                                                                                         | 吴英杰 大连医科大学<br><b>Yingjie Wu, Dalian Medical University</b>                                         | Loss of adipose growth hormone receptor in mice enhances local fatty acid trapping                                                                                     |
| 10:40-11:00                                                                                                                                          | <b>茶歇/Tea Break</b>                                                                                |                                                                                                                                                                        |
| 11:00-11:30                                                                                                                                          | 傅肃能 清华大学<br><b>Suneng Fu, Tsinghua University</b>                                                  | Fructose metabolism: A fat insurance to health and survival                                                                                                            |
| 11:30-12:00                                                                                                                                          | 陈政 哈尔滨工业大学<br><b>Zheng Chen, Harbin Institute of Technology</b>                                    | Islet $\alpha$ -cell inflammation induced by NF- $\kappa$ B inducing kinase (NIK) leads to hypoglycemia, pancreatitis, growth retardation, and postnatal death in mice |
| 12:00-13:00                                                                                                                                          | <b>午餐/Lunch Break</b>                                                                              |                                                                                                                                                                        |
| 主持人<br><b>Session chair</b>                                                                                                                          |                                                                                                    |                                                                                                                                                                        |
| 刘军力 上海交通大学附属第六医院<br><b>Junli Liu, Sixth Hospital Affiliated to Shanghai Jiaotong University</b><br>甘振继 南京大学<br><b>Zhenji Gan, Nanjing University</b> |                                                                                                    |                                                                                                                                                                        |
| 13:00-13:30                                                                                                                                          | 潘东宁 复旦大学基础医学院<br><b>Dongning Pan, School of Basic Medical Sciences, Fudan University</b>           | Pwwp2b cooperates with Hdac1 to repress adipocytes thermogenic program                                                                                                 |
| 13:30-14:00                                                                                                                                          | 胡承 上海交通大学第六医院<br><b>Cheng Hu, Shanghai Jiao Tong University Affiliated Sixth People's Hospital</b> | Genomics and its application in diabetes exploration in the Chinese population                                                                                         |
| 14:00-14:30                                                                                                                                          | 沈伟 上海科技大学<br><b>Wei Shen, ShanghaiTech University</b>                                              | The Zona Incerta encodes reward values associated with high-fat food and prey                                                                                          |
| 14:30-15:00                                                                                                                                          | 陆炎 复旦大学附属中山医院<br><b>Yan Lu, Zhongshan Hospital, Fudan University</b>                               | The roles of ubiquitin-specific protease 14 in the regulation of hepatic glucose metabolism                                                                            |
| 15:00-15:30                                                                                                                                          | 王宜春 复旦大学附属华山医院<br><b>Xuanchun Wang, Huashan Hospital, Fudan University</b>                         | Endoplasmic reticulum membrane protein complex 10 (EMC10), a novel circulating factor for systemic energy and metabolic homeostasis                                    |

第三届中国生物物理学会代谢生物学会学术研讨会（2019）

|                                                                                                                                                                    |                                                                                                    |                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2019年5月12日（12 May, 2019）2楼延桂厅                                                                                                                                      |                                                                                                    |                                                                                                                                                            |
| 主持人 刘平生 中科院生物物理所<br>Session chair <b>Pingsheng Liu, Institute of Biophysics, CAS</b>                                                                               |                                                                                                    |                                                                                                                                                            |
| 时间/Time                                                                                                                                                            | 大会报告人/Plenary Speaker                                                                              | 题目/Title                                                                                                                                                   |
| 9:00-9:40                                                                                                                                                          | <b>Steven Kliewer</b> 美国德州大学西南医学中心<br><i>University of Texas Southwestern Medical Center, USA</i>  | Metabolic stress hormone FGF21: From physiology to pharmacology                                                                                            |
| <b>菌群代谢 workshop</b>                                                                                                                                               |                                                                                                    |                                                                                                                                                            |
| 主持人 刘志华 中科院生物物理所<br>Session chair <b>Zhihua Liu, Institute of Biophysics, CAS</b><br>姜长涛 北京大学医学部<br><b>Changtao Jiang, Peking University Health Science Center</b> |                                                                                                    |                                                                                                                                                            |
| 时间/Time                                                                                                                                                            | 报告人/Speaker                                                                                        | 题目/Title                                                                                                                                                   |
| 9:40- 10:10                                                                                                                                                        | <b>周宏伟</b> 南方医科大学附属珠江医院<br><b>Hongwei Zhou, Zhujiang Hospital, Southern Medical University</b>     | Identification of key species in gut microbiome for metabolic diseases                                                                                     |
| 10:10-10:40                                                                                                                                                        | <b>丁涛</b> 中山大学<br><b>Tao Ding, Sun Yat-sen University</b>                                          | Studying, analyzing, and interpreting the human microbiome: strategies and key methods                                                                     |
| 10:40-11:00                                                                                                                                                        | <b>茶歇/Tea Break</b>                                                                                |                                                                                                                                                            |
| 11:00-11:30                                                                                                                                                        | <b>徐振江</b> 南昌大学<br><b>Zhenjiang Xu, Nanchang University</b>                                        | Applying advanced bioinformatic tools and machine learning to big data problems in microbiome research                                                     |
| 11:30-12:00                                                                                                                                                        | <b>张晨虹</b> 上海交通大学<br><b>Chenhong Zhang, Shanghai Jiao Tong University</b>                          | Nutritional modulation of gut microbiota for alleviation of metabolic diseases                                                                             |
| 12:00-13:00                                                                                                                                                        | <b>午餐/Lunch</b>                                                                                    |                                                                                                                                                            |
| 主持人 赵同金 厦门大学<br>Session chair <b>Tongjin Zhao, Xiamen University</b><br>应浩 中国科学院上海营养与健康研究院<br><b>Hao Ying, Shanghai Institute of Nutrition and Health, CAS</b>     |                                                                                                    |                                                                                                                                                            |
| 13:00-13:30                                                                                                                                                        | <b>韩际宏</b> 合肥工业大学<br><b>Jihong Han, Hefei University of Technology</b>                             | Nogo-B deficiency protects mice against high-carbohydrate diet-induced hepatic disorders by enhancing energy metabolism with regulation of ChREBP activity |
| 13:30-14:00                                                                                                                                                        | <b>徐璿</b> 苏州大学<br><b>Ying Xu, Soochow University</b>                                               | Circadian clock and homeostasis                                                                                                                            |
| 14:00-14:30                                                                                                                                                        | <b>吴晓晖</b> 复旦大学<br><b>Xiaohui Wu, Institute of Developmental Biology and Molecular Medicine</b>    | An Obesity Screen in the piggyBac Mouse Library revealed the role of GPR45 in POMC regulation                                                              |
| 14:30-15:00                                                                                                                                                        | <b>杜震宇</b> 华东师范大学<br><b>Zhenyu Du, East China Normal University</b>                                | Fasting enhances cold resistance in fish through stimulating lipid catabolism and autophagy                                                                |
| 15:00-15:30                                                                                                                                                        | <b>肖俊杰</b> 上海大学<br><b>Junjie Xiao, Shanghai University</b>                                         | Non-coding RNA basis of exercise induced physiological hypertrophy                                                                                         |
| 15:30-15:40                                                                                                                                                        | <b>黄勋</b> 中科院遗传与发育生物学研究所<br><b>Xun Huang, Institute of Genetics and Developmental Biology, ACS</b> | 闭幕式总结                                                                                                                                                      |

第三届中国生物物理学会代谢生物学会学术研讨会（2019）

| 2019年5月12日（12 May, 2019）3楼彭熙厅 显微镜技术 workshop                                                               |                                                                           |                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 主持人<br><b>Session chair</b>                                                                                |                                                                           |                                                                                                                                                                                                           |
| 吴嘉炜 苏州大学<br><b>Jiawei Wu, Soochow University</b><br>陈晓伟 北京大学<br><b>Xiaowei Chen, Peking University</b>     |                                                                           |                                                                                                                                                                                                           |
| 时间/Time                                                                                                    | 报告人/Speaker                                                               | 题目/Title                                                                                                                                                                                                  |
| 09:40-10:10                                                                                                | 陈良怡 北京大学<br><b>Liangyi Chen, Peking University</b>                        | Using advanced imaging techniques to study metabolism at different levels                                                                                                                                 |
| 10:10-10:40                                                                                                | 徐平勇 中科院生物物理所<br><b>Pingyong Xu, Institute of Biophysics, CAS</b>          | Photo-controllable fluorescent proteins for single molecular localization based super-resolution microscopy                                                                                               |
| 10:40-11:10                                                                                                | 陈知行 北京大学<br><b>Zhixing Chen, Peking University</b>                        | Chemical approaches toward multiplexed live cell imaging                                                                                                                                                  |
| 11:10-11:40                                                                                                | 高亮 西湖大学<br><b>Liang Gao, Westlake University</b>                          | Imaging multicellular specimens with real-time optimized tiling light sheet selective plane illumination microscopy                                                                                       |
| 11:40-12:10                                                                                                | 陈丰荣 复旦大学<br><b>Feng-Jung Chen, Fudan University</b>                       | What can we get from images?<br>— Quantitative Bio-imaging Assays                                                                                                                                         |
| 12:10-13:00                                                                                                | <b>午餐/Lunch</b>                                                           |                                                                                                                                                                                                           |
| 主持人<br><b>Session chair</b>                                                                                |                                                                           |                                                                                                                                                                                                           |
| 王计秋 瑞金医院<br><b>Jiqiu Wang, RuiJin Hospital</b><br>强力 美国哥伦比亚大学<br><b>Li Qiang, Columbia University, USA</b> |                                                                           |                                                                                                                                                                                                           |
| 13:00-13:30                                                                                                | 艾玎, 天津医科大学<br><b>Ding Ai, Tianjin Medical University</b>                  | Hyperhomocysteinemia activates the aryl hydrocarbon receptor/CD36 pathway to promote hepatic steatosis in mice                                                                                            |
| <b>海外专家 workshop</b>                                                                                       |                                                                           |                                                                                                                                                                                                           |
| 13:30-14:00                                                                                                | <b>Qi Wu</b><br><i>Baylor College of Medicine, USA</i>                    | The neural circuit basis for the body weight management through a global control of thermogenesis                                                                                                         |
| 14:00-14:30                                                                                                | <b>Zheng Sun</b><br><i>Baylor College of Medicine, USA</i>                | Epigenomic regulation of metabolism and neurocognition by the circadian clock                                                                                                                             |
| 14:30-15:00                                                                                                | <b>Xing Zeng</b><br><i>Harvard Medical School, USA</i>                    | Molecular Basis of Sympathetic Innervation of Thermogenic Adipose Tissue                                                                                                                                  |
| 15:00-15:30                                                                                                | <b>Wen Amy Tian</b><br><i>Stanford University School of Medicine, USA</i> | Phenotypically-silent bone morphogenetic protein receptor 2 (Bmpr2) mutations predispose rats to inflammation induced-pulmonary arterial hypertension by enhancing the risk for neointimal transformation |