

广东省精准医学应用学会

粤精准医函〔2025〕1655号

关于举办 2025 大湾区科学论坛特色论坛暨 第十五届广州国际干细胞与再生医学 论坛的通知

学会各会员，各有关单位、人士：

为继续促进干细胞与再生医学前沿研究与技术创新，打造干细胞研究稳定的国际关系网络，为我国科研人员提供一个国际交流与合作的平台，由中国科学院广州生物医药与健康研究院、中国细胞生物学学会、中国科学院香港创新研究院再生医学与健康创新中心、广东省精准医学应用学会联合主办，中国科学院广州生物医药与健康研究院广东省干细胞与再生医学重点实验室、广东省精准医学应用学会干细胞及再生医学分会共同承办的“2025 大湾区科学论坛特色论坛暨第十五届广州国际干细胞与再生医学论坛”，将于 2025 年 12 月 5 日-7 日在广州举行，会议规模约 200 人。大会将邀请国内外干细胞及再生医学领域基础研究专家、应用研究专家以及相关跨领域的专家学者作专题报告，希望通过多方面的沟通交流及展示，为科研机构以及生物医药企业之间的信息共享、精准对接、洽谈合作及战略规划提供一个平台。现将

有关事项通知如下：

一、会议时间及地点

会议时间：2025 年 12 月 5-7 日

会议地点：广州科学城汇华希尔顿逸林酒店（广东省广州市黄埔区水西路 18 号）

二、会议内容

干细胞及再生医学、表观遗传调控、发育生物学领域基础及应用研究专家等做专题报告，多方面交流、探讨干细胞及再生医学领域的关键科学问题及应用的技术瓶颈。

三、参会人员

（一）欢迎省内外从事干细胞及再生医学领域相关的专家、学者、企业家参加会议。

（二）请干细胞及再生医学分会全体委员参会。

（三）欢迎广东省科协精准医学学会企业联合体、广东省精准医学产业技术创新联盟会员参加会议。

四、其他事项

（一）本次会议学会各分会委员、会员注册费可享受 8 折优惠，其他参会人员注册费正常（含培训费、资料费等）。交通费、住宿费自理。

	2025 年 11 月 30 日前 (含)	12 月 1 日-现场注册
正式代表 (委员)	1200	1500
正式代表 (非委员)	1500	1800

学生/博士后 (Poster 参会)	500 (须在 11 月 30 日前完成缴费)	
学生代表 (委员)	600	800
学生代表 (非委员)	800	1000
企业代表	2000	2500

(二) 会议信息将在学会官方网站(<https://www.gdpmaa.com>)进行宣传, 请点击“学术活动”一相关活动预告或扫描以下会议二维码在线报名。



(三) 联系方式

分会联系人: 吴老师 13578888854

学会学术部: 邓老师 16620480184

附件: 2025 大湾区科学论坛特色论坛暨第十五届广州国际
干细胞与再生医学论坛议程


 广东省精准医学应用学会
 2025 年 12 月 1 日

附件

2025 大湾区科学论坛特色论坛暨第十五届 广州国际干细胞与再生医学论坛议程

（会议具体时间、内容、主讲人以实际情况为准）

会议时间：2025 年 12 月 5 日-7 日

会议地点：广州科学城汇华希尔顿逸林酒店（广东省广州市黄埔区水西路 18 号）

Day 1: Friday 5 th December	
9:00-12:00	Registration
Opening Ceremony Chairperson: Guangjin Pan, GIBH, CAS	
14:00-14:20	Welcome Address and Opening Remarks Welcome Address: Duanqing Pei, Westlake University, China Opening Remarks: Fei Sun, Director of GIBH, CAS, China
14:20-14:25	Group Photo
Keynote Session Chairperson: Duanqing Pei, Westlake University Fei Sun, GIBH,CAS	
14:25-15:00	Keynote Speech <i>Mechanisms preventing nuclear instability of muscle stem cells</i> Thomas Braun, MPI for Heart and Lung Research, Germany
15:00-15:35	Keynote Speech <i>TBD</i> Duanqing Pei, Westlake University, China
15:35-15:55	Refreshment Break

Session I: Stem Cells and Diseases 干细胞与疾病 Chairperson: Chenleng Cai, GIBH, CAS Jose Silva, Guangzhou Laboratory	
15:55-16:20	<i>Tissue-specific inflammatory cue to drive early hematopoiesis in bone marrow</i> Hitoshi Takizawa, Kumamoto University, Japan
16:20-16:45	<i>Intestinal organoid zoo of 26 species reveals conserved and divergent programs of biology</i> Bon-Kyoung Koo, Center for Genome Engineering, Korea
16:45-17:10	<i>Microvascular endothelial cell function in acute lung injury and inflammation</i> Xiaoyu Tian, the Chinese University of Hong Kong, HK, China
17:10-17:35	<i>Improving the cardiac microenvironment as a novel strategy to enhance the cardioprotective effects of cell therapy in diabetic heart failure</i> Xin-liang Ma, Thomas Jefferson University, USA
17:35-18:00	<i>Organotypic endothelial cell differentiation from vascular stem/progenitor in lung</i> Qi Chen, GIBH, CAS, China
18:00-18:15	Sponsor Time
18:20-20:30	Dinner
19:00-20:00	Poster Session
Day 2: Saturday 6 th December	
Session II: Cell Totipotency and Development 细胞全能性与发育 Chairperson: Xingguo Liu, GIBH, CAS Bo Feng, the Chinese University of Hong Kong	
08:30-09:05	Keynote Speech <i>Engineering human embryo-like structures using stem cells</i> Jun Wu, the University of Texas Southwestern Medical Center, USA
09:05-09:30	<i>Expanded potential of human haploid pluripotent stem cells</i> Ling Shuai, Nankai University, China

09:30-09:55	<i>Advancing the Maturation of Human PSC-Derived Intestinal Organoids through Multi-Germ-Layer Co-Development</i> Qiutan Yang, Institute of Zoology, CAS, China
09:55-10:20	<i>Decoding the Regulatory Role of Transposons in Pluripotency Transition</i> Yawei Gao, Tongji University
10:20-10:35	Refreshment Break
Session III: Stem Cell Therapy and Regeneration 干细胞治疗与再生 Chairperson: Liangxue Lai, GIBH, CAS Ralf Jauch, The University of Hong Kong	
10:35-11:10	Keynote Speech <i>Beta cell development and regeneration</i> Heiko Lickert, Helmholtz Diabetes Center, Munich, Germany
11:10-11:35	<i>Clone and engineer epithelial stem cells for regenerative medicine</i> Wei Zuo, Tongji University, China
11:35-12:00	<i>From old skin to old brain: Direct conversion to explore the interface between neuronal aging and disease</i> Jerome Mertens, the University of California San Diego, USA
12:00-12:25	<i>Human Induced Pluripotent Stem Cells and derivation of functional blood cells for cell therapy</i> Guangjin Pan, GIBH, CAS, China
12:25-12:40	<i>Extracellular matrix stiffness directs region-specific lung epithelial differentiation revealed by hPSC-derived lung organoids</i> Zhiying Liao, Guangzhou Laboratory, China
12:40-14:00	Lunch
Session IV: Novel Technology and Frontiers 新技术与前沿 Chairperson: Xiaoying Fan, Guangzhou Laboratory Guangdun Peng, GIBH, CAS	
14:00-14:25	<i>AI-designed Proteins in Regenerative Medicine and Dentistry</i> Julie Mathieu, University of Washington, USA

14:25-14:50	<i>High-resolution in situ structures of mammalian respiratory supercomplexes</i> Jack Zhang, Yale University, USA
14:50-15:15	<i>Mitochondrial transplantation as a novel therapeutic strategy for cardiometabolic disorders</i> Soh Boon Seng, ASTAR, Singapore
15:15-15:40	<i>Local mRNA translation in axons sustains neurotransmission</i> Hovy Ho-Wai WONG, the Chinese University of Hong Kong, HK, China
15:40-16:05	<i>The role of a novel member of SMYDs in epigenetic regulation of mesendodermal specification</i> Weinian Shou, Indiana University School of Medicine, USA
16:05-16:20	<i>Predicting cellular responses with conditional diffusion models</i> Siyu He, Stanford University, USA
16:20-16:35	Sponsor Time
16:40-16:50	Refreshment Break
16:45-19:00	CLAF Tour & Poster Session: Flash Talks Chairperson: Jing Liu, GIBH, CAS Jie Wang, GIBH, CAS
19:00-21:00	Dinner
Day 3: Sunday 7 th December	
SessionV: Cell Fate and Epigenetics 细胞命运与表观遗传 Chairperson: Jiekai Chen, GIBH, CAS Xiangqian Kong, GIBH, CAS	
08:30-09:05	Keynote Speech <i>Roles of DNA methylation in cancer and stem cells</i> Pierre-Antoine Defossez, Université Paris Cité, CNRS, France
09:05-09:30	<i>Guided Search: How Transcription Factors Navigate the Chromatin Landscape to Control Cell Identity</i> Abdenour Soufi, the University of Edinburgh, UK

09:30-09:55	<i>Biology of histidine methylation</i> Yoichi Shinkai, RIKEN, Japan
09:55-10:10	Refreshment Break
Session VI: Organogenesis and Organoids 类器官与器官发生 Chairperson: Huisheng Liu, Guangzhou Laboratory Hui Zheng, GIBH, CAS	
10:10-10:35	<i>Deconvolving the temporal dynamics of organogenesis via deep-tissue spatial transcriptomics</i> Reza Kalhor, the Johns Hopkins University, USA
10:35-11:00	<i>Perfusable vascularized human brain organoids</i> Angela Ruohao Wu, the Hong Kong University of Science and Technology, HK, China
11: 00-11:25	<i>Using chemical biology to approach heart regeneration</i> Jing-Wei Xiong, Nanchang University, China
11: 25-11:40	<i>In Vitro Generation of Mouse Embryo Model with Organogenesis via Embryo Founder Cells</i> Huanhuan Li, Guangzhou Laboratory, China
Closing Ceremony Chairperson: Jiekai Chen, GIBH, CAS	
11:40-12:15	Keynote Speech <i>Generation of Megakaryocytes /Platelets from Human Pluripotent Stem Cells</i> Jiaxi Zhou, Institute of Hematology & Blood Diseases Hospital, Chinese Academy of Medical Sciences, China
12:15-12:25	Poster Awarding
12:25-12:30	Closing remarks
12:30	Lunch

抄送：学会会长、副会长、理事会各理事、监事、学会其他部门。

广东省精准医学应用学会

2025 年 12 月 1 日印发

校对：学术部 邓炫林

（共印 3 份）