

# **剑桥南京论坛 2021--脑科学与类脑研究峰会**

## **Cambridge Nanjing Forum 2021 – Symposium on Brain Science and Brain-Inspired Intelligence Research**

### **邀请函**

### **Invitation Letter**

致尊敬的贵宾，

Dear Sir or Madam,

剑桥大学南京科技创新中心（中心）是南京市与剑桥大学开展国际科研创新与成果转化化的合作载体。自 2019 年长期基地奠基以来，中心在剑桥大学和南京市政府的共同支持和协作下奠定了坚实基础，各学科领域、产业方向科研项目逐步落地，相应的合作及交流活动不断开展。

Cambridge University-Nanjing Centre of Technology and Innovation (the CUNJC) is a supporting platform for the cooperation between Nanjing and University of Cambridge in scientific research and innovative transformation. Since the foundation of the new building in 2019, under the joint efforts and support from University of Cambridge and Nanjing Municipal Government, CUNJC has established a solid basis, with the landing of increasing research projects in different disciplinaries and industry field and the non-stopping cooperative and exchanging events.

为加强剑桥大学科研优势与国内产学研政等资源的结合，巩固在国家重点产业、科研领域及技术落地的合作，中心拟于 9 月 14 日至 15 日举办剑桥南京论坛 2021--脑科学与类脑研究峰会，邀请剑桥大学和国内顶级学者就脑科学及类脑科学领域的

相关研究方向进行学术交流和分享，以学术研讨会、本地科研平台参观、专家闭门会议、及会议报告发表等形式，聚集该领域全球顶尖智力资源，推动脑科学及类脑科学发展，并探讨国际合作的机遇及共建高层次合作研究平台的可行性。现诚挚地向贵校相关领域学者和专家发出邀请，共同参与此次峰会。

In order to reinforce the combination of the advantages of University of Cambridge in scientific research and the domestic resources in industrial, academic, research, and political fields, and strengthen the cooperation in key industry, research and technology transformation, CUNJC plans to hold the Cambridge Nanjing Forum 2021 – Symposium on Brain Science and Brain-Inspired Intelligence Research from 14th to 15th September 2021. We will invite top scientists from University of Cambridge and domestic universities to give speeches with various topics centered on the research landscape and advancements in brain science and brain-inspired intelligence research. The symposium will consist of academic workshops, visit to local research site, closed-door meeting and distribution of conference reports. The target is to accumulate the world-wide top talent pool in brain science field, to accelerate the development of brain science and brain-inspired research, and to discuss the opportunity for international cooperation and the feasibility to build up high-level joint research center. Now we sincerely invite the researchers and experts from your organization to join in this academic gathering.

考虑到南京当地疫情虽有好转，但具体跨省/市防控措施仍存在很大的不确定性，此次活动将采用线上线下联动方式，外省市参会嘉宾将统一采用线上加入的方式，望各位嘉宾理解。如蒙应允光临，烦请于 9 月 10 日前在点击下文链接或扫描二维码完成线上注册，以便后续接收会议链接等信息。期待与您在会上相见！

Considering the uncertainty in pandemic control measurements in different provinces, this event will be delivered online and offline simultaneously. Please use the following link and QR code to complete online registration form before 10th September to ensure vacancy.

点击此处完成线上报名

Click here to register



初大平

Daping Chu

剑桥大学南京科技创新中心 CEO、学术主任

CEO and Academic Director of CUNJC

2021 年 8 月 30 日

30/08/2021

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## 附件：

### Attachment

#### 剑桥南京论坛 2021—脑科学与类脑研究峰会议程

#### **Agenda of Cambridge Nanjing Forum 2021 – Symposium on Brain Science and Brain-Inspired Intelligence Research**

#### **2021 年 9 月 14 日 上午 / AM, 14<sup>th</sup> September 2021**

上午 9:00-9:30 (北京时间) <b>2.00-2.30am (BST)</b>	开幕式及领导致辞 Opening Ceremony
上午 9:30-10:00 (北京时间) <b>2.30-3.00am (BST)</b>	适用于稀疏分布式记忆和小脑结构的 Kanerva 模型 理查德·普拉格 (剑桥大学) The Kanerva Model for Sparse Distributed Memory and the Architecture of the Cerebellum Richard Prager (University of Cambridge)
上午 10:00-10:45 (北京时间) <b>3.00-3.45am (BST)</b>	类脑人工智能，自动驾驶汽车，及智慧医疗 冯建峰 (复旦大学) Brain-inspired AI, Autonomous Car and Intelligent Medicine Feng Jianfeng (Fudan University)
<b>15 分钟 茶歇</b> <b>15mins Tea Break</b>	
上午 11:00-11:45 (北京时间) <b>4.00-4.45am (BST)</b>	中枢运动控制和躯体-非躯体反应整合的神经环路基础 朱景宁 (南京大学) Neuronal Circuits Underlying Central Motor Control and Somatic-Nonsomatic Integration Zhu Jingning (Nanjing University)
上午 11:45-12:30 (北京时间) <b>4.45-5.30am (BST)</b>	基于全脑定位系统获取的脑空间信息 骆清铭 (海南大学) Brain-wide Positioning System for Brainsmatics Luo Qingming (Hainan University)

#### **2021 年 9 月 14 日 下午 / PM, 14<sup>th</sup> September 2021**

下午 2:00-2:45 (北京时间) <b>7.00-7.45am (BST)</b>	跨尺度介观活体成像 吴嘉敏 (清华大学) Multiscale Intravital Fluorescence Microscopy Wu Jiamin (Tsinghua University)
下午 2:45-3:30 (北京时间) <b>7.45-8.30am (BST)</b>	下一代的活细胞超分辨率成像-新原理，新应用 陈良怡 (北京大学) Next-Generation of Live Cell Super-Resolution Microscopy: New Mechanism and New Application Chen Liangyi (Peking University)

15 分钟 茶歇 15mins Tea Break	
下午 3:45-4:15 (北京时间) <b>8.45-9.15am (BST)</b>	PET 分子成像探测仪的发展和应用 弗兰克林·艾比奥 (剑桥大学) Development and Application of Imaging Probes for Molecular Imaging by Positron Emission Tomography (PET) Franklin Aigbirhio (University of Cambridge)
下午 4:15-4:45 (北京时间) <b>9.15-9.45am (BST)</b>	肿瘤代谢成像-从小鼠到人类 凯文·布林多 (剑桥大学) Imaging Tumor Metabolism – From Mouse to Man Kevin Brindle (University of Cambridge)
下午 4:45-5:15 (北京时间) <b>9.45-10.15am (BST)</b>	灵长类动物基于单神经元计算的决策和社交认知 机制 法比恩·格拉本海斯特 (剑桥大学) Single-Neuron Computations for Decision- Making and Social Cognition in the Primate Amygdala Fabian Grabenhorst (University of Cambridge)
下午 5:15-5:45 (北京时间) <b>10.15-10.45am (BST)</b>	海马体认知图谱的实时形成 茱莉亚·克鲁匹奇 (剑桥大学) The Real-Time Formation of the Hippocampal Cognitive Map Juliya Krupic (University of Cambridge)
下午 5:45-6:15 (北京时间) <b>10.45-11.15am (BST)</b>	更具选择性的神经刺激和神经调制工具 斯特芬·戈茨 (剑桥大学) Tools for More Selective Neuroactuation and Neuromodulation Stefan Goetz (University of Cambridge)

<b>2021 年 9 月 15 日 上午 / AM, 15<sup>th</sup> September 2021</b>	
上午 8:30-9:00 (北京时间) <b>1.30 -2.00am (BST)</b>	用于提高医疗保健和推动生物科学发展的工程仿生学系统 克里斯·普瑞克特 (剑桥大学) Engineering Bionic Systems to Improve Healthcare and Advance Bioscience Chris Proctor (University of Cambridge)
上午 9:00-9:45 (北京时间) <b>2.00-2.45am (BST)</b>	仿生超浸润体系和超越--量子限域超流体: 能量转换, 化学反应和生物信息传输 江雷 (北京航空航天大学) Bioinspired Super-wettability System and Beyond -- Quantum-confined Superfluid: Energy Conversion, Chemical Reaction and Biological Information Transfer Jiang Lei (Beihang University)
上午 9:45-10:30 (北京时间)	唤起-消退范式消除病理性记忆

<b>2.45-3.30am (BST)</b>	陆林 (北京大学) The memory retrieval-extinction procedures to erase maladaptive memories Lu Lin (Peking University)
<b>15 分钟 茶歇</b> <b>15mins Tea Break</b>	
<b>上午 10:45-11:30 (北京时间) 3.45-4.30am (BST)</b>	脑芯片的制备 顾忠泽 (东南大学) Fabrication of Brain-organoid on a Chip Gu Zhongze (Southeast University)
<b>上午 11:30-12:00 (北京时间) 4.30-5.00am (BST)</b>	应用于生物电子药物的新型材料和设备 乔治·马力亚瑞斯 (剑桥大学) Novel Materials and Devices for Bioelectronic Medicine George Malliaras (University of Cambridge)
<b>2021 年 9 月 15 日 下午 / PM, 15<sup>th</sup> September 2021</b>	
<b>下午 12:45-2:45 (北京时间) 5.45-7.45am (BST)</b>	Visit to Nanjing Brain Observatory 参观北京大学分子医学南京转化研究院：南京脑 观象台