第七届突触传递与神经可塑性国际研讨会暨“突触与神经可塑性分会”学术年会第三轮会议通知

第八届突触传递与神经可塑性国际研讨会暨“突触与神经可塑性分会”学术年会将于2025年4月18日-20日在上海召开。会议将围绕突触结构与传递、突触发育与可塑性、脑功能与疾病的突触与环路可塑性机理等主题进行讨论交流，分享领域中最新的研究成果及讨论未来发展方向，促进本领域国内外专家之间的相互合作，为相关研究提供新思路，共同推动脑科学相关领域的发展。

为此，我们诚挚的邀请您相约上海，共襄学术盛会。

一、组织单位

主办单位：中国神经科学学会突触与神经可塑性分会

承办单位：复旦大学脑科学研究院，脑科学转化研究院，医学神经生物学国家重点实验室，脑科学前沿科学中心

二、组织机构

会议主席：章晓辉、禹永春、陆巍

顾问委员会：毕国强、高天明、鲁友明、罗敏敏、时松海、王以政、王路阳、王玉田、张明杰、卓敏、马兰、孙坚原、徐林

组织委员会：禹永春、陆巍、陶长路、李超

学术委员会：章晓辉、马聪、马欢、王昌河、夏军、朱英杰、陶长路、刘水冰、陈培华、陈涛、丁梅、甘文标、高隽、黄荣、李霞、李晓明、刘安、刘佳佳、陆巍、吕江腾、邱爽、盛能印、石云、史微、宋森、孙晖、唐爱辉、陶武成、童夏静、童小萍、汪惠丽、王菲菲、王智如、吴青峰、徐宁龙、杨扬、杨昱鹏、袁小兵、张勃、招明高、赵岩

会议秘书：李超、顾乡、傅颖慧、陈赵卉

三、会议时间及地点

时间：2025年4月18日-20日（周五-周日）（17日报道，20日结束）

地点：上海复旦大学（上海医学院）枫林校区（上海市徐汇区东安路 131 号，明道楼 2 层会议室）

注：

1. 校外车辆禁止入校，建议参会人员选择公共交通
2. 17 日报道请下载好电子版会议通知或邀请函，进校时请出示；之后入校佩戴胸牌即可
3. 墙报请于 17 日下午或 18 日上午张贴，13:00 墙报展览正式开始

四、会议日程

April 17,2025 Registration			
April 18, 2025 (Friday)			
8:30 - 8:45	Opening Ceremony & Group Photo		**Chair:** Yongchun Yu
8:45 - 9:25	**Keynote Lecture:** Roger A. Nicoll, University of California at San Francisco, USA	A molecular machine for memory	Tianming Gao (高天明), Southern Medical University

9:25 - 9:45	Shu-jia Zhu (竺淑佳), Center for Excellence in Brain Science and Intelligence Technology (CEBSIT), Chinese Academy of Sciences	Native NMDA receptors in the brain: from atomic structure to synaptic physiology	
9:45 - 10:05	Bing Ye, University of Michigan, USA)	The assembly of a functional sensory neural network	Huan Ma (马欢), Zhejiang University
10:05 - 10:25	Yun Shi (石云), Guangdong Institute of Intelligence Science and Technology (GDIIST)	an extracellular mechanism for LTP maintenance	
10:25 - 10:45	Coffee Break		
10:45 - 11:15	**Special Lecture:** Luyang Wang, University of Toronto and Hospital for Sick Children, Canada	Morpho-functional underpinning of synaptic heterogeneity	Jiulin Du (杜久林), Center for Excellence in Brain Science and Intelligence Technology (CEBSIT), Chinese Academy of Sciences
11:15 - 11:35	Guoqiang Bi （毕国强）, University of Science and Technology of China	Stochastic activation of NMDA receptors by ambient glutamate drives all-or-none synaptic potentiation	
11:35 - 11:55	Wei Lu, National Institute of Neurological Disorders and Stroke (NINDS), USA	A new transmembrane protein interacts with GABAARs and controls anxiety- and depression-like behavior	
11:55 -12:05	Commercial Talk	Evident (Olympus)	
13:00 - 14:00	Poster Time		
	The meeting of CNSSNP Branch council members（分会委员会议）		
14:00 - 14:30	**Special Lecture:** Songhai Shi (时松海), Tsinghua University	Converging neocortical mechanisms underlying neurodevelopmental disorders	Yongchun Yu (禹永春), Fudan University)

14:30 - 14:50	Zhengping Jia, University of Toronto and Hospital for Sick Children, Canada	Genetic analysis of glutamate receptors in synaptic plasticity and brain disorders	
14:50 - 15:05	Qingfen Wu (吴青峰), Institute of Genetic and Developmental Biology, Chinese Academy of Sciences	Targeting Hypothalamic Synaptic Pathways to Control Craniopharyngioma Growth	Cong Ma (马聪), Huazhong University of Science and Technology
15:05 - 15:20	Chao Yan (闫超), Nanking University	GABA-responsive microglia eliminate inhibitory synapses driving neuronal hyperexcitability in epilepsy	
15:20 – 15:50	**Special Lecture:** Min Zhuo (卓敏), University of Toronto,	Cortical mechanisms for chronic pain, anxiety and depression	
15:50 - 16:10	Coffee Break		
16:10 - 16:40	**Special Lecture:** Bong-Kiun Kaang, Institute for Basic Science (IBS), Korea	Fear Memory Reactivation is blocked by Inhibition of Engram Synapse Plasticity	Jianyuan Sun (孙坚原) Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences (SIAT, CAS)
16:40 - 17:00	Wenbiao Gan (甘文标), Shenzhen Bay Laboratory	The regulation of neuronal activity and synaptic plasticity by microglia	
17:00 - 17:20	Ninglong Xu（徐宁龙） Center for Excellence in Brain Science and Intelligence Technology, Chinese Academy of Sciences	Flexible sensorimotor association learning in frontal motor cortical circuits	Changhe Wang (王昌河), Xi'an Jiaotong University
17:20-17:35	Yang Yang (杨扬), ShanghaiTech University	Posterior parietal cortex mediates rarity-induced decision bias and learning under uncertainty	
17:35 - 17:45	Commercial Talk	TBA	
April 19th, 2025 (Saturday)			

8:30 - 9:10	**Keynote Lecture:** Mu-Ming Poo (蒲慕明), Center for Excellence in Brain Science and Intelligence Technology (CEBSIT), Chinese Academy of Sciences	Synaptic Plasticity in the Era of Multiomics	Songhai Shi (时松海) Tsinghua University
9:10 - 9:30	Wendong Xu (徐文东), Hua-Shan Hopsital, National Clinical Research Center for Aging and Medicine, Fudan University	Establishing a new "ipsilateral cortical-peripheral circuit" to harness the uninjured hemisphere for treatment of hemiplegia after stroke or brain injured	
9:30 - 9:50	Li Zhang University of Southern California, USA	Oxytocin dynamics underlying prosocial behavior	Wei Lu (陆巍), Fudan University
9:50 - 10:10	Xing Liu (刘星) Fudan University	The interhemispheric amygdala-accumbens circuit encodes negative valence	
10:10 - 10:30	Coffee Break		
10:30 - 11:00	**Special Lecture:** Yutian Wang (王玉田), Shenzhen University of Advanced Technology	Development of protein knockdown–based therapeutics for treating neurodegenerative diseases	Lin Xu (徐林), Kunming Institute of Zoology, Chinese Academy of Sciences
11:00 - 11:20	Huan Ma (马欢), Zhejiang University	Circuit-Specific LTP: From Molecular Control to Memory Discrimination	
11:20 - 11:40	Aihui Tang (唐爱辉), University of Science and Technology of China	Nanometer-Precision tracking of glutamate receptors defines the synaptic slot and its role in plasticity	Jun Xia (夏军), Hong Kong University of Science and Technology-Guangzhou
11:40 - 12:00	Wucheng Tao (陶武成), Fujian Medical University	The metabotropic function of GluD1 in ASD	
12:00 - 12:10	Commercial Talk	蔡司	

13:00 - 14:00	Poster time		
14:00 - 14:30	**Special Lecture:** Michael Salter, University of Toronto, Canada	GluN1 N1 cassette: a master regulator of NMDA receptors	Guoqiang Bi (毕国强), University of Science and Technology of China, & SIAT, CAS
14:30 - 14:50	Xiaoming Li (李晓明), Zhejiang University	The Neural Mechanisms of Amygdala-Mediated Negative Emotions and Its Disorders	
14:50 - 15:10	Yousheng Shu (舒友生), Fudan University	Structure and function of axonic spines	Shuibing Liu (刘水冰), Air Force Medical University
15:10 - 15:25	Xiajing Tong (童夏静), ShanghaiTech University	Presynaptic Autophagy-Dependent Secretion Mediates Anterograde Signaling for $GABA_A$ Receptor Recruitment	
15:25 - 15:45	Coffee Break		
15:45 - 16:15	**Special Lecture:** Yasunori Hayashi, (University of Kyoto, Japan	Abstraction of spatial information during memory consolidation process	Jianhong Luo (罗建红), Zhejiang University
16:15 - 16:30	Shuang Qiu (邱爽), Zhejiang University	Desynchronized neuronal ensembles store safety memory in the dmPFC	
16:30 - 16:50	Yongqing Zhang (张永清), Hubei University & Institute of Genetic and Developmental Biology, Chinese Academy of Sciences	Compromised social and cognitive functions in *Shank3*-associated autism dog models	Yingjie Zhu (朱英杰), Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences
16:50 - 17:10	Changhe Wang (王昌河), Xi'an Jiaotong University	Conjugative dopaminergic circuits mediate social encouragement on exploration	
17:10 - 17:25	Nengyin Sheng (盛能印) (KMIZ, CAS)	Divergent etiologies of excitatory-inhibitory synaptic imbalance for intellectual disability	
17:25 - 17:35	Commercial	光微景	

	talk		
April 20th, 2025 (Sunday)			
8:45 - 9:15	**Keynote Lecture** Graham Collingridge, University of Toronto, Canada	Synaptic Plasticity in Health and Disease	Changlu Tao (陶长路), University of Science and Technology of China,
9:15 - 9:25	Yan Zhao (赵岩), Institute of Biophysics, Chinese Academy of Sciences	Transport mechanism and pharmacology of neurotransmitter transporter	
9:25 - 9:45	Wei Lu (陆巍), Fudan University	Somatic nonlinearity enhances neuronal output fidelity	
9:45 - 10:00	Man Jiang (江漫), Huazhong University of Science and Technology	Ppp2r1a haploinsufficiency increases excitatory synaptic transmission and decreases spatial learning by impairing endocannabinoid signaling	
10:20 - 10:40	Coffee Break		
10:40 - 11:00	Jiajia Liu (刘佳佳), Institute of Genetic and Developmental Biology, Chinese Academy of Sciences	ER-plasma membrane junctions support the structural and functional plasticity of dendritic spines	Xiaohui Zhang (章晓辉), Beijing Norm University
11:00 - 11:15	Changlu Tao (陶长路), University of Science and Technology of China,	"Kiss-shrink-run" unifies mechanisms for synaptic vesicle exocytosis and hyperfast recycling	
11:15 - 11:35	Kexin Yuan (苑克鑫), Tsinghua University	Unveiling trans-scale bioarchitecture through ionic glassy tissue	
11:35 - 11:55	Yongchun Yu (禹永春), Fudan University	Bcl11a deficiency in cerebellar Purkinje cells causes Autistic-like behavior and ataxia by altering Vav3	
11:55 - 12:00	Closing Remark		

五、 会议注册与缴费

注册：

受会议场地等因素限制，本次会议将限制参会人数为 400 人，按注册缴费顺序先到先得。

注册费标准	在线优惠注册 (3.15)	在线注册 (4.15)	现场注册
CNS 学生会员	500 元	600 元	700 元
学生非会员	600 元	700 元	800 元
CNS 一般会员	700 元	800 元	1000 元
非会员	900 元	1000 元	1200 元
企业代表	1200 元	1500 元	1800 元
注册权益	含会刊资料，入场证等（交通、住宿自理）		

注：分会委员以及特邀参会嘉宾参会免注册费

缴费：

1. 线上支付：支付宝、微信、网银
2. 银行转账
3. 现场支付

六、科研成果交流

会议为科研工作者搭建海报展示形式的学术交流平台，参会人员可通过电子邮件提交报名申请。会议期间将设置专门的海报展示区，所有海报将在指定时段进行集中展示，并安排作者与参会学者互动交流环节。该形式通过可视化呈现和面对面研讨相结合的方式，有效促进研究成果的深度传播与学术观点的多维碰撞。

海报要求：涵盖突触传递及可塑性研究的专题报告、研究论文、综述等均可。征文内容以英文摘要形式投稿，包括 TITTLE，ABSTRACT 和 KEY WORDS 三部分，长度不超过一页纸。综述类论文需要撰写指示性摘要。采用 Word 格式，单倍行距，小四号字，A4 纸。字体为 Times New Roman。写明作者姓名、通讯地址、工作单位、邮政编码、电子信箱，发至组委会联系人电子信箱。征文恕不退稿．请自留底稿。

七、会议联系人

1. 会议日程事宜

顾乡老师：18810633046

陶长路老师：18255170866

2. 会议注册\发票事宜

李老师：021-64081035

3. 参展\赞助事宜

顾乡老师：victorgu223@bnu.edu.cn

4. 本地联系人

傅颖慧：13764041791、fuyh@fudan.edu.cn

中国神经科学学会-突触与神经可塑性分会

复旦大学脑科学研究院

复旦大学脑科学转化研究院

2025 年 4 月 15 日