The First Fudan University International Brain Science PhD Forum

Forum Introduction

To explore cutting-edge research in brain science and promote academic exchange among PhD students in the field, we sincerely welcome talented PhD to gather at Fudan University to discuss the latest developments in brain science.

Hosts

Institutes of Brain Science，Fudan University

State Key Laboratory of Medical Neurobiology

Ministry of Education Frontier Science Center for Brain Science

Qualification

PhD students are welcome to submit applications if you fulfil the following criteria. Applicants should:

1. research fields in the brain science, brain diseases, or brain-like intelligence.

2. have graduated within one year or are expected to graduate within coming year.

Dates

November 14-16, 2024（Beijing Time）

Location

East No. 2 Research Building, Fenglin Campus, Fudan University,131 Dong'an Road, Shanghai

To facilitate from overseas attendees, the forum will provide an online participation channel. Details will be announced later.

Schedule

Nov. 14: Registration and poster display

Nov. 15: Oral presentations, poster discussions, award ceremony, and closing ceremony

Nov. 16: Tour of the Institute of Brain Science’s public technology platform

Detailed arrangements will be announced later.

● Submission Requirements

The following submission materials need to be sent to **FDU_BSF@163.com before October 7, 2024（Beijing Time）**,with the subject line "First Fudan University International Brain Science PhD Forum-Author’s Name".

Application materials:

1. Basic Information Form
2. Conference Abstract
3. Overview of Past Research and Future Plan
4. Resume
5. Letters of Recommendation (optional)

For detailed requirements, please refer to the attachment.

● Evaluation Criteria

Preliminary Review:

Written evaluations will be conducted by experts in the field to select and invite speakers and poster presenters for the forum.

Final Review:

After the academic reports and poster sessions are completed, a comprehensive evaluation by the participating experts in the field will determine the award winners.

● Awards

Oral Presentations:

First Prize: 1 award, ¥ 10,000

Second Prize: 2 awards, ¥ 5,000 each

Third Prize: 3 awards, ¥ 3,000 each

Posters:

5 awards, ¥ 1,500 each

Above all award winners will receive Honorary certificates.

● Participation Instructions

1. Travel expenses and accommodation for selected speakers within China will be covered by the forum organizers.

2. There is no registration fee or any other charges for this forum.

3. For any questions, please feel free to contact the forum organizing committee.

● Contact Information

Contact Person: Ms. Chen

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Email: FDU_BSF@163.com

The Institutes of Brain Science, Fudan University
The State Key Laboratory of Medical Neurobiology
The Ministry of Education Frontier Science Center for Brain Science
Postdoctoral Recruitment Requirements

● Application Conditions

1. Adherence to laws and regulations, with good ideological and political qualities, and a strong commitment to academic ethics.

2. Expected to obtain a doctoral degree or have obtained a doctoral degree within the past 3 years.

3. Possess a solid academic background in brain science or related fields, have achieved innovative results during doctoral studies, and demonstrate strong research capabilities.

● Position Benefits and Working Conditions

1. During the postdoctoral tenure, a "2+X" innovative training model will be implemented. A top-notch research environment and broad career development opportunities will be provided. Postdocs who produce excellent results may apply directly for faculty positions.

2. Annual salary for postdocs ranges from 180,000 to 500,000 RMB or more. Active support will be provided for applying to national and Shanghai-based research projects and talent funds. Priority will be given to applications for national and Shanghai postdoctoral support programs. The

Fudan "Super Postdoctoral" program and the IOBS's "Talents" postdoctoral program will offer further comprehensive support to postdocs.

3. Full-time postdocs may apply to rent postdoctoral apartments at Fudan University and enjoy the same benefits as staff in terms of enrolling their children in preschool or daycare.

Postdoctoral Fellow Positions

Mentor	Research direction	Email
Nashat Abumaria	Study on mechanisms/treatments for Alzheimer's disease & Study mechanisms of give up like behavior	abumaria@fudan.edu.cn
Hanfei Deng	Neural mechanisms of motivation and emotional homeostasis	hanfeideng@fudan.edu.cn
Yu Gu	Sensory regulation of vonluntary behavioral decision-making and the development of amblyopia treatment methods	guyu_@fudan.edu.cn
Miao He	Genetic dissection of neural circuits	hem@fudan.edu.cn
Zhili Huang	Mechanisms of Sleep-Wake Regulation and Intervention Strategies for Insomnia	huangzl@fudan.edu.cn
Yue Li	Psychoactive substances and neuroplasticity	yue_li@fudan.edu.cn
Shenbin Liu	The neuroanatomical basis for acupuncture practice	shenbin_liu@fudan.edu.cn
Zhiyong Shao	Addressing mechanisms underlying neurodevelopment and the related neurological disorders	shaozy@fudan.edu.cn
Minjie Shen	Molecular mechanisms of neurodevelopmental disorders	shenminjie@fudan.edu.cn
Yilin Tai	Functional assembly of neuronal microcircuit	taiyilin@fudan.edu.cn
Yiquan Tang	The viscera-brain axis	yqtang@fudan.edu.cn
Dandan Wang	Neuronal GPCR signaling network and drug target discovery	dandanwang@fudan.edu.cn
Yun Wang	Study on the mechanisms of AD-related cognitive dysfunction	yunwang@fudan.edu.cn
Lei Xiao	Neuromodulators and neural function	leixiao@fudan.edu.cn
Yunli Xie	Neurodevelopment and Developmental Brain Disorders	yunli.xie@fudan.edu.cn

Man Xiong	**Stem Cell Therapy and Mechanism Study of Brain Disorders using Human Pluripotent Stem Cells**	**man_xiong@fudan.edu.cn**
Zhengang Yang	**Neurodevelopment and neural stem cells**	**yangz@fudan.edu.cn**
Yongchun Yu	**Development of neural synaptic circuits in the cerebral**	**ycyu@fudan.edu.cn**
Jiayi Zhang	**Vision restoration and visual function decoding**	**jiayizhang@fudan.edu.cn**
Ying Zhu	**Decoding the molecular and cellular foundations of brain development, evolution, and disorders through high-throughput sequencing, bioinformatics analysis, and computational modeling**	**ying_zhu@fudan.edu.cn**

The Institute of Brain Science，Fudan University

The State Key Laboratory of Medical Neurobiology

The Institutes of Brain Science (IOBS) at Fudan University was established in 2006 with support from the "985" Program of the Chinese Ministry of Education. The founding director was Professor Xiong-Li Yang, a prominent neuroscientist and academician of the Chinese Academy of Sciences. The current director is Professor Lan Ma, an academician of the Chinese Academy of Sciences.

The State Key Laboratory of Medical Neurobiology (SKLab) was established in 1994. In 2015, the SKLab and IOBS were merged, with strengthened distinctive role in boldly advancing interdisciplinary research and bench-to-bed translation. Committed to deepening understanding of brain functions and accelerating the development of novel therapies for major nervous system disorders, IOBS/SKLab takes on cutting-edge research to reveal the basic principles of sensory neurobiology, define the mechanism of higher cognitive functions, and develop next-generation treatment for major brain disorders. It has become one of the most influential brain science research institutions in China.

The IOBS/SKLab currently has 44 full-time Principal Investigators (PIs), including 3 academicians of the Chinese Academy of Sciences. Funding from the Ministry of Education, Ministry of Science and Technology, Natural Science Foundation of China, and Shanghai municipal have supported the establishment of world-class facility. PIs in our institute have made breakthroughs ranging from an improved understanding of reward processing breakthroughs ranging from an improved understanding of reward processing to technology for vision restoration. IOBS investigators published research articles and reviews in peer-reviewed international journals, including *Nature*, *Nature Genetics*, *Cell*, *Nature Neuroscience*, *Nature Biomedical Engineering*, *Neuron*, *Progress in Neurobiology*, *Progress in Retina and Eye Research*, *PNAS* etc. They are

recipients of national, provincial, and municipal scientific awards (2 National Natural Science 2nd grade Aw
ards and 4 National Science and Technology Progress 2nd grade Awards).
Currently, 400+ graduate students are enrolled in the IOBS graduate program. The IOBS embraces new policies to improve its admission processes as well as the training program, e.g. IOBS is the first institute in Fudan University School of Medicine to introduce rotation system, providing unique opportunities for the graduate students to pursue their true scientific interest.
The IOBS/SKLab has cutting-edge facility for brain research, including: In vivo and high-resolution imaging facility, platforms for behavioral neuroscience, functional MRI for small animals, single-cell genomics.

The Ministry of Education Frontier Science Center for Brain Science

The Frontiers Science Center for Brain Science is a brain science research and education ‘cluster’ based on IOBS/SKLab in Fudan University. Meanwhile, it integrates talents and facilities in other institutes within the university such as the Institute for Translational Brain Research, Institute of Science and Technology for Brain-Inspired Intelligence, and Institute of Brain Diseases Research and Translation. The center promotes multidisciplinary and innovative collaborations, and strives to make original and groundbreaking achievements in both basic and translational research. It is poised to become a top-tier global center for brain science research.