INSTIUTE OF SCIENCE AND TECHNOLOGY FOR BRAIN-INSPIRED INTELLIGENCE



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Website: istbi.fudan.edu.cn



GLOBAL RESEARCH
IMMERSION PROGRAM
FOR YOUNG SCIENTISTS

https://istbi.fudan.edu.cn/

Program Introduction

The Global Research Immersion Program for Young Scientists (GripS) is a funded summer research program that spans four to eight weeks. It aims to attract around 200 exceptionally talented and driven undergraduate students from various parts of the world to venture in an immersive research experience at four top universities at China (Fudan University, Zhejiang University, University of Science and Technology of China, and Nanjing University) in China's Yangtze River Delta region. GripS students will have the unique opportunity to actively engage in research programs, which includes laboratory experience at one of the four top universities, industry visits, excursions around the picturesque Yangtze River Delta region, immersive Chinese cultural activities, enlightening lectures by esteemed academicians, and a supportive mentorship component.



Program Application

Programme Date: July 2024 Duration: 4weeks

Research Lanuage: English Application Deadline: 17 March 2024

Website: http://grips.zju.edu.cn/



Program Information

- 1. Waived tuition and registration fees this year
- 2. Scholarship covering international travel and local accommodation
- 3.Extensive support for arranging travelling, VISA application, etc



ISTBI, Fudan University

- 1.World-class research facilities for neuroimaging, neuromodulation, cognitive neuro-science, artificial intelligence
- 2.Innovative and creative research in brain sciences, big data, AI
- 3.International leading scientists



Activities Highlights

- 1. Candidates are undergraduates with background in Neuroscience, Computer and Information Science, and Biomedical Engineering
- 2.One-week Summer School: Interdisciplinary Research between Brain and Intelligence Course by renown scientists
- 3.Brain and Intelligence Young Scientist Forum with Young scientists from University of Oxford, University of Cambridge, the University of Sydney, and Charitie Hospital
- 4.Mini-project: Team-working projects on forefront research in brain science, mental health or artificial intelligence
- 5.Team-building: group meetings, presentations, teacher lunch
- 6.Leisure: visiting of museums, city tours, Chinese culture activities



Contact Us

For more information, please visit istbi.fudan.edu.cn/lnen

For more information about program application, please contact:

Dr Ningning Ma (istbi ic@fudan.edu.cn)

Program leaders at ISTBI:

- 1. Professor Shouyan Wang (Shouyan@fudan.edu.cn, https://istbi.fudan.edu.cn/lnen/info/1157/1632.htm)
- 2. Associate Professor Deniz Vatansever (deniz@fudan.edu.cn , https://istbi.fudan.edu.cn/l-nen/info/1158/1812.htm)
- 3. Associate Professor Xiaoqian Yan (xqyan@fudan.edu.cn , https://istbi.fudan.edu.cn/l-nen/info/1158/1812.htm)



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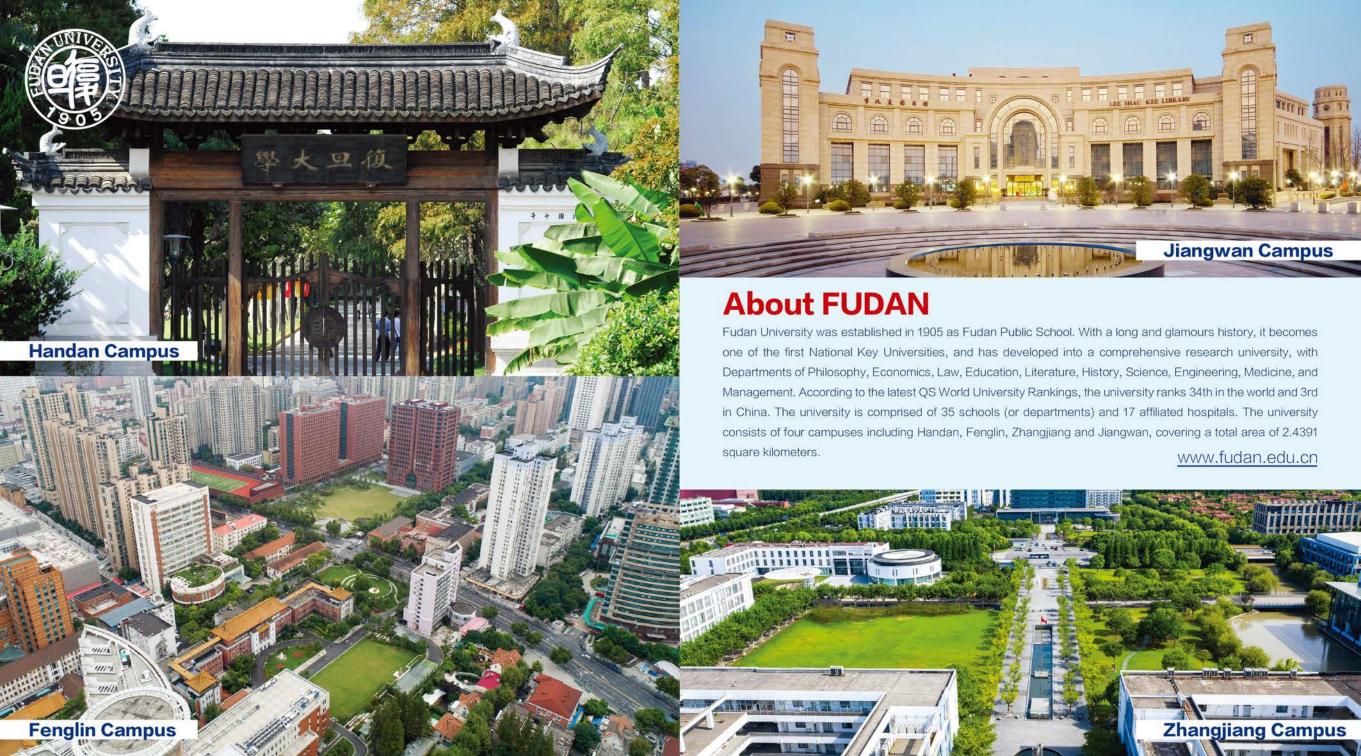
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Welcomed by

Professor Jianfeng Feng
Dean of ISTBI

About ISTBI

The Institute of Science and Technology for Brain-inspired Intelligence (ISTBI), is an interdisciplinary research institution of Fudan University, one of the leading universities in China. It was launched in May 2015. The predecessor of ISTBI was the Centre for Computational Systems Biology, founded in 2008 and was one of the first international and interdisciplinary research centres in China. ISTBI covers several research fields including applied mathematics, statistics, computer science, informatics and neuroscience. The research carried out in ISTBI is interdisciplinary per se, with computational neuroscience playing a pivotal role. ISTBI aims to make significant contributions in the development of basic theories, core algorithms and key frameworks for artificial intelligence. It also has the aims of developing intelligent diagnosis and treatment systems for brain diseases, and establishing principles of cognitive neuroscience. Ultimately, ISTBI will contribute to the innovation and the development of an intelligence-oriented society.

The brain is most mysterious, complex and inspiring, and attracts great interests of people in both brain and intelligence sciences. ISTBI constitutes a global research hub for scientists across neurosciences, mathematics, computing, clinical medicine and engineering, working together to tackle challenging questions within brain and brain-inspired intelligence sciences. The institute focuses on the interaction of intelligence science with normal cognition as well as psychiatric and neurological disorders, contributes to the development of fundamental theories on brain-inspired artificial intelligence, and translates this cutting-edge research into innovative technologies for diagnosis and treatment of brain diseases. Combining multi-disciplinary research from applied mathematics, computational neuroscience, cognitive neuroscience, and translational medicine, the institute aims to investigate neural mechanisms underlying cognition, emotion, consciousness, to develop brain-inspired theories and whole brain computational models and systems, and to explore the impact of interactions among cultural, developmental, environmental, genetic and cognitive factors on healthy humans and those with psychiatric and neurological disorders. Our ultimate goal is to understand, model and enhance human cognitive processes, develop technological solutions for the diagnosis, treatment and rehabilitation of neurological diseases and psychiatric disorders. The institute is dedicated to making significant, world-class contributions to the growing challenges in the enrichment of brain health worldwide, and to leading pioneering innovations for an intelligence-oriented society.



Research Areas



Bioinformatics and Neuroscience

We conduct the cross-disciplinary research between bioinformatics and neuroscience. The brain functions and mechanisms of neural information processing are further explored by integrating the bioinformatics modelling of gene, protein, synapse, neuroimaing and behaviors.



Whole-brain Computation and Digital Brain

We develop computational models and platforms by simulating the neural network at whole-brain scales by assimilating functional, anatomical and neuro-phyhsiological neuroimaging data. The digital twin brains (DTB) are further developed to illuminate neural circuits and cognitive functions, and uncover the pathogenic mechanism of brain diseases. The new theories of Al will be developed through the interdisciplinary research between biological and artificial brains.



Cognition and Neuromodulation

We explore the mechanisms of memory, decision-making emotion etc, at micro, meso and macro scales with functional brain networks. We further conduct translational research of the precision medicine with intelligent neuro-modulation, digital healthcare and big data modelling for diagnosis, treatment and rehabilitation of neurological and mental diseases.



Brain-inspired Intelligence Technology and Application



By developing new algorithms and frameworks of intelligence science, we are laying the groundwork to develop personalized treatment for brain diseases. We are also developing intelligent perception, decision-making, control theories and new-generation unmanned systems that will be applied in autonomous vehicles, intelligent manufacturing, smart city.

Neuroimaging and Translational Medicine



We are using AI algorithms and models of multi-omics and multi-modal biomedical data to develop biomarkers for drug development, health risk prediction, diagnosis and treatment technologies of neurological and mental diseases. We also promote innovations in neuroimaging technologies and translational medicine.



Research Centre

Centre for Cognitive Neuroscience

The Cognitive Neuroscience Center (CNC) is an integrative research platform that investigates the biological basis of cognition from micro-scale individual neurons to systems-level neural circuits. Combining multi-disciplinary research from cognitive, comparative, computational and clinical neurosciences with state-of-the-art neuroimaging, electrophysiological recording and behavioral testing methods, the CNC aims to characterize the neural mechanisms underlying perception, attention, motivation, decision-making, learning and memory, emotions and consciousness.

RESEARCH DIRECTION:



Centre for Artificial Intelligence Algorithms Shanghai Institute of Artificial Intelligence Algorithms

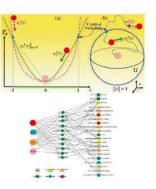
The Centre aims to develop modern mathematics and statistical methods based on principles of the brain to develop a new generation of artificial intelligence, especially neural network model at the whole brain scale through data assimilation methods and computational modeling. By constructing a network of whole brain electrical impulse neurons, the Centre strives to implement learning algorithms such as the algorithm of pattern recognition, attention, and reinforcement learning. For a given input and output electrical pulse array, we rely on the moment neural network framework to build a learning algorithm to implement a multi input and output model, which will consolidate the basis of mathematical statistics of artificial intelligence algorithms such as the algorithm of supervised learning, semi-supervised learning, and unsupervised learning and will promote the development of an intelligent algorithms library. In 2019, based on the core team of the center, Shanghai Institute of Artificial Intelligence Algorithms was established and unveiled at the 2019 World Artificial Intelligence Conference.

RESEARCH DIRECTION:

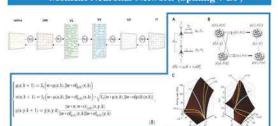
Centre for Computational Systems Biology

Interdisciplinary activities involving mathematics, physics, chemistry, and information science, have led to major developments in the life sciences. The Centre aims to establish a platform for computer-aided simulation, along with mathematical and physical analyses of the dynamics of life, based on the fusion of multiple disciplines including big data techniques and newly-developed experimental technologies.

RESEARCH DIRECTION:



Moment Neuronal Network (Spiking + BP)



Chi² - GAN : ICML18

- $\operatorname{Div}_f(p_d \parallel p_G) \triangleq \int f\left(\frac{p_d(x)}{p_G(x)}\right) p_G(x) \, dx$, where $f(\cdot) : \mathbb{R} \to \mathbb{R}$ is a convex function satisfying f(1) = 0.
- Integral probability metric (IPM) (Arjovsky et al. 2
 - $V_{\text{IPM}}(p_d, p_G; D) = \mathbb{E}_{X \sim p_d}[D(X; \omega)] \mathbb{E}_{X' \sim p_G}[D(X'; \omega)],$
 - Kernel discrepancy metric (Gretton et al., 2005; Li et al., 2015) The kernel embedding of distribution p(x) is given by
 - $\nu_p(x) = \mathbb{E}_{X\sim p}[\kappa(x,X)]$ κ(·,·) is a positive definite kerne
 - $(\kappa(\cdot,x),\kappa(\cdot,y))_{\mathcal{H}} = \kappa(x,y)$ defines the inner product of \mathcal{H}
 - Maximal mean discrepancy (MMD) metric is defined as $MMD(p_d, p_G) \triangleq \|\nu_{p_d} - \nu_{p_G}\|_{\mathcal{H}}$
- Generative adversarial networks (GANs) are usually trained with three types of distribution discrepancy measur
- Information theoretic divergence. Integral Probability Metri (IPM) and kernel discrepancy metric

. We clarify the connections and propose a new algorithm

Research Centre

Centre for Big Data of Biomedical Sciences Zhangjiang International Brain Biobank (ZIB)

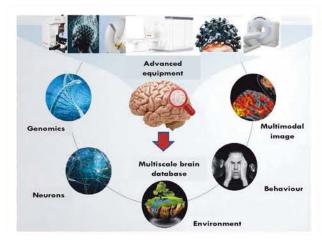
The Centre is devoted to building the largest multimodal, multiscale and multicenter datasets for biomedical science (brain science), and developing computational approaches in analyzing these datasets. The Centre promotes researches on precision medicine and personalized medical care for brain diseases, cancers, cardiovascular disease, etc.

RESEARCH DIRECTION:

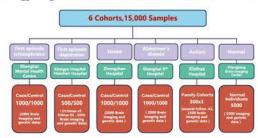








Zhangjiang International Brain Biobank Cohorts





Centre for Neural and Intelligent Engineering

To improve the clinical treatment of some key neurological and psychiatric disorders, the Centre aims to develop the neural sensing and processing approaches to neuro-dynamics information, and explore the integration strategy of brain information and plasticity mechanisms of brain functions. By combining neural coding and intelligent theories, the Centre will develop neural sensing, neural modulating, neural computing technologies, and innovation in brain-intelligence technology. It will also build intelligent systems on-chip, and create a self-learning intelligent human-machine interface. Through research in intelligent neuro-modulation and neural-bionics, our goals are to provide intelligent devices and creative solutions to protect, improve and modulate the human brain.

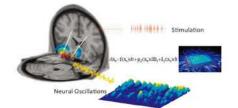
RESEARCH DIRECTION:



Neuro-modul tion and neuro-bionic



Neurophysiological mechanism and regulation technology of brain diseases

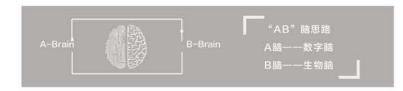


Whole Brain Computation Platform

The mission is to simulate human cerebral functions by constructing a digital twin of an individual human brain through digital assimilation, which encompasses neurons, neurotransmitters and neural connections. We develop mesoscopic data assimilation theory for large-scale computational simulation of the brain, in order to generate novel algorithms for brain-inspired intelligence that allow multimodality integration. Implementing this project will lead us to the cutting edge of brain-inspired intelligence, revolutionary breakthroughs in brain-inspired algorithm and application, and acceleration of a new generation of AI theory.

RESEARCH DIRECTION:





Research Centre

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Centre for Biomedical Imaging Zhangjiang Brain Imaging Centre (ZIC)

In 2016, the Shanghai Municipal Government and Fudan University have invested RMB400M (equal to \$65M) to establish the Zhangjiang International Brain Imaging Centre (ZIC). With an area of 114,000 square-meters, ZIC has become the largest imaging platform for brain science and brain-inspired intelligence in China. ZIC is the home to the world's most advanced MRI instruments including an ultra-high-field 7T Siemens Terra MR scanner, a Siemens 3T Connectome MR scanner, a Siemens 3T Prisma MR scanner, and a Bruker 11.7T Biospec MR scanner. In addition, ZIC equips with a series of real-time brain function monitoring systems including a near-infrared spectrometer, an electroencephalography system, a magnetoencephalography system, and neuromodulation systems including transcranial direct current stimulation, transcranial magnetic stimulation, and transcranial focused ultrasound stimulation.

RESEARCH DIRECTION:

Developing unique MRI and MRS methodologies Exploring normal brain cognitive mechanisms and the etiology of brain disorders Developing brain-inspired artificial intelligence











Prisma 3T

Connectom 3T

Terra 7T

BioSpec 11.7T





Center for Population Neuroscience and Precision Medicine (PONS)

PONS integrates neuroimaging, cognitive neuroscience, (epi) genomics and epidemiological research with novel tools for environmental assessments, such as ecological momentary assessments using smart phone applications, social media analyses, and satellite-based remote sensing acquisitions. It aims at the identification of markers and brain mechanisms of risk and resilience for mental illness in different environmental contexts, such as pandemics, pollution, climate change, migration or urbanicity. This knowledge will be applied to develop neurobehavioural interventions targeted at causal brain mechanisms for prevention and early intervention of disease on a public health-relevant scale.

PONS coordinates a network consisting of cohorts of up to 195.000 people, including >25.000 neuroimaging scans in China, Europe, India and the United States, such as the European IMAGEN, STRATIFY and the Indian cVEDA cohort.

PONS works in close partnership with the Charite, one of Europe's largest university hospitals and research institutions, affiliated with Humboldt University and Free University Berlin, and collaborates with other leading research centres in Europe and the US, i.e. Cambridge University, USC, KCL and Emory University.





Jianfeng Feng

Winner of the Royal Society Wolfson Research Ment Award Chair Professor of Shanghai National Centre for Mathematical Sciences



Valerie Voon

Research direction: cognitive neuroscience neuromodulation, neuroimaging, computational psychiatry



Trevor Robbins

Fellow of the Royal Society
Fellow of the British
Psychological Society
Fellow of the Academy of
Medical Sciences
Winner of 2014 Brain Prize



David Waxman

Overseas Thousand Talents Program Professor of China 2013 Friendship Award of the Chinese Government Member of the Board of Reviewing Editors, Science



Edmund Rolls

Fellow and Tutor in Psychology at Corpus Christi College, Oxford Research direction: Computational neuroscience



Xingming Zhao

Professor Research direction: Artificial intelligence Data Mining



Barbara Sahakian

Fellow of the British Academy Fellow of the Academy of Medical Sciences Research direction: Cognitive neuroscience



Gunter Schumann

Research direction: Physiological psychiatry



Qibao Zheng

Research direction: Brain-inspired ntelligence





Jianfeng Feng



Directors

Xiaohua Xie



Wei Cheng

Research Professor Research direction: Neuroimaging Statistic Modelling Psychiatry



Shouyan Wang

Neuroengineering Biomedical engineering



Weiyang Ding

Young Principal Investigators Research direction: matrix and tensor computation with applications



Deniz Vatansever

Young Principal Investigators Research direction:



Fumin Jia

Young Principal Investigators Research direction: Neural circuit and neuromoduation; Brain computer interface



Peng Ji

Research Professor Research direction: Nonlinear Dynamics



Jie Zhang

Research direction:



Yuwei Jiang

Young Principal Investigators Research direction: unsing MRI, MEG, EEG, ECoG



Xiaoqian Yan

Research direction:



Hao Li

Young Principal Investigators Research direction: developing magnetic image processing methods



Fianve Jia

Research direction: Behaviour and Neuroimaging



Shanfeng Zhu

Artificial Intelligence and Big Biomedical Data Mining Machine



Jian Pu

Research direction: Machine learning and its application



Xiao Xiao



Linbo Wang

Investigators studying the pathological



Wenlian Lu

Professor Research direction:



Chunhe Li



Yuchuan Qiao

Young Principal Investigators Research direction: Image registration and its clinical applications, medical image analysis based on dMRI, PET and T1/T2 MRI for Alzheimer's disease



Rong Zhu





Y. Thomas Yang



Qiang Luo



Jingqi Cheng



Hongming Shan

Young Principal Investigators Research direction:



Xiao Chang



Jing Wang



He Wang

Miao Cao

Zhuoyi Song

Zhensen Chen

Zhiyuan Yuan



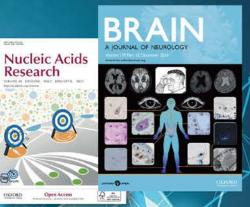
High-level Scientific Achievements Consistently Emerging

Over the past five years, our team has made remarkable achievements in neuroscience, computational biology, computational neurology, artificial intelligence algorithms, intelligent diagnosis and treatment for brain diseases as well as other fields, publishing over 900 papers on world-top journals, including Nature, Cell, Nature Med, IEEE TPAMI, etc.













Research-centred Education: Critical Thinking, Freedom of Mind and Challenge-oriented Strategy

The student is at the centre of the education at ISTBI. There is a focus on enabling students to develop their critical and analytical thinking skills, independent research skills, group work, problem solving and leadership skills to prepare them for their career. Education here at ISTBI is closely aligned to current research, often drawing on the interdisciplinary approach that has taken good advantage of Fudan's solid academic background in key disciplines such as mathematics, statistics, informatics, computer science, life sciences and basic medicine.

Our Strengths





Interdisciplanary Teaching

Multidisciplinary and multiplex cross-knowledge: applied mathematics, biomedical engineering, biophysics, computational linguistics, computational psychology, etc.

International Academic Exchange

We have established the "Education Fund (CSG) for China-UK Exchanges in Intelligent Robotics" to cultivate our students with the vision of top international scientists by establishing partnerships with more than 20 internationally renowned universities and research institutes such as University of Cambridge and University of Oxford.

Doctor Training Centres

National Key Laboratory of Computational Neuroscience and Brain-inspired Intelligence and other research centres in ISTBI together provide strong support for the cultivation of students.

Entrepreneur and Practical Training

We have constructed an innovative practice platform for training talents by establishing joint laboratories and joint research centers with more than 10 enterprises and more than 30 hospitals, forming joint research projects and projects to promote in-depth innovation and industrial practice of talent cultivation.

High-level International Collaborations

The Institute actively initiates and participates in international scientific cooperation programs, has collaborated with scientists from more than thirty internationally renowned universities, and established partnership with University of Cambridge, University of Oxford, Harvard University, King's College of London, Stanford University, and The University of Sydney, etc.

Harvard University

Stanford University

Massachusetts Institute of Technology

University of Southern California

University of Minnesota

Salk Institute for Biological Studies

Boston University

New York University

University of California

Johns Hopkins University

University of Cambridge

University of Oxford

Imperial College London

King's College London

The University of Warwick

The University of Edinburgh

University College London

Cardiff University

International Cooperation Centre

- O Overseas Expertise Introduction Centre for Discipline Innovation ("111 Center")
- The Joint Fudan-King's Centre for Population

 Neuroscience
- O Brain and Intelligence Science Allance
- Fudan-Cambridge Cognitive Neuroscience and Mental Health Institute (pending)

Belgian University

Max Planck Institute

Humboldt University of Berlin

French National Centre for Scientific Research

Swiss Federal Institute of Technology in Lausanne

The University of Sydney

(22)

International Cooperation Centre

Overseas Expertise Introduction Centre for Discipline Innovation ("111 Center")

The base of Computational Neuroscience and Brain-inspired Intelligence for Discipline Innovation, jointly applied for by ISTBI, the University of Cambridge and the University of Oxford was approved by the Ministry of Education and the State Administration of Foreign Experts Affairs in 2018. We establish the "Overseas Expertise Introduction Centre for Discipline Innovation" ("111 Centre"), promoting collaborative research in computational neuroscience and brain-inspired intelligence.











International Cooperation Centre

The Joint Fudan-King's Centre for Population Neuroscience

In 2018, Fudan University and King's College London jointly established the Centre for Population Neuroscience and Precision Medicine (PONS) to investigate the complexity and heterogeneity of behaviour and mental illness on a population level by identifying environmental and genomic factors that shape the structure and function of the human brain. PONS integrates neuroimaging, cognitive neuroscience, (epi)genomics and epidemiological research with novel tools for environmental assessments, such as ecological momentary assessments using smart phone applications, social media analyses, and satellite-based remote sensing acquisitions.







International Cooperation Center

Fudan-Sydney Brain and Intelligence Science Alliance (BISA)

The Brain and Intelligence Science Alliance (BISA) has been established as a platform to raise the research impact of both institutions through inter-disciplinary translational research in the fields related to data science, neuroscience and intelligence. The ultimate goal of BISA is to train research leaders, advance technology innovation and scientific research, and to secure practical applications for science and technology. The four main research areas of BISA are: Cognitive Neuroscience and Brain Disorders, Computational Neuroscience and Neural Engineering, Impact of AI on Ethics, Arts and Society; and Artificial Intelligence and Brain-Inspired Intelligence.





Cambridge-Fudan Brain Health Institute (BHI)

In 2019, Fudan University and the University of Cambridge signed a MoA to facilitate academic collaboration in brain-inspired intelligence, cognitive neuroscience, mental health, ancient civilisation, future philosophy and other fields. The Cambridge-Fudan Brain Health Institute (BHI) is co-founded by the ISTBI and the University of Cambridge.







Milestone of ISTBI

2008 / 03

The predecessor of ISTBI, the Centre for Computational Systems Biology, was established as one of Fudan's first Project 985 high-level research centres



2016

- 08 ISTBI inducted the first young principal investigators
- 12 Facility procurement for the imaging centre was approved

2018

- 102 "Key Laboratory of Computational Neuroscience and Brain-inspired Intelligence, Ministry of Education" was approved
- (1)7 "Shanghai Municipal Major Project on Brain and Brain-inspired Intelligence Research and Application" was approved



2020

- Dean Jianfeng Feng was appointed as
 Deputy Director of Shanghai Center for
 Brain Science and Brain-inspired Technology
- The National Key R&D Program of Revolutionary Technology "Neuromorphic Computing Assimilation Platform and a New Generation of Brain-inspired Intelligent Algorithm Theory" was approved
- 11 Fudan-FAW Nine-Chapters Algorithm Institute was established

• 2022

'Fudan 'Innovation China' Center for Brain-inspired Intelligence (International Collaboration and Innovation)" was approved

2015 / 05

ISTBI was officially established

Dean Jianfeng Feng led the first major project in Artificial Intelligence of brain science of the Shanghai Municipal Party Committee



ISTBI

2017

- ISTBI enrolled the first postgraduates
- Construction of Zhangjiang Fudan International Innovation Centre started, with brain and brain-inspired intelligence being the main mission
- Computational Neuroscience and Brain-inspired Intelligence Overseas Expertise Introduction Centre for Discipline Innovation", jointly applied for by ISTBI, the University of Cambridge and the University of Oxford, was approved

2019

Opening ceremony for Zhangjiang International Brain Imaging Centre



- 104 Three faculty members were recognised as 'World' s Top 2% Scientists 2020' in the field of neuroscience
- O7 Staged products of the "Shanghai Municipal Major Project on Brain and Brain-inspired Intelligence Research and Application" were released at the 2021 World Artificial Intelligence Conference



Distinguished Professor (Chair)

Applicants must have been internationally recognized and have outstanding academic achievements in brain-inspired artificial intelligence or related fields. Applicants must be capable of leading scientists and establishing a world-class research team. The appointed Distinguished Professors will become leaders or co-leaders of one of the six research centres and will, with their research teams, carry out work that achieves the mission of their centre. The Distinguished Professors also have the duties of recruiting and managing their teams.

Young Principal Investigator/Associate Research Fellow/Associate Professor (Tenure-track or Tenured)

Adjunct Professor

international academic evaluation after six years of employment. Successful individuals will be qualified to transfer to a tenured position and/or promote their academic qualifications to higher-levels. The qualifications of tenured positions could be Distinguished Professor, Professor, Research Fellow, and Associate Professor.

Principal Investigator/Research Fellow/Professor (Tenured)

Applicants must have high-level academic achievements in the field of brain-inspired artificial intelligence or related fields. Applicants can be scientists or engineers and should have a wide interdisciplinary vision have the potential to become a chair Professor. The appointed applicants will carry out work under the direction of a Chair Professor of the ISTBI.

Postdoctoral Research Fellow

Applicants must hold PhD from well-known universities or research institutes with a solid foundation in mathematics statistics, physics informatics and computer science, neurobiology materials, biomedical engineering, and robotics, etc. The appointed applicants will work in the area of brain-inspired intelligence and will enter a specific group affiliated to one of the six research centres to conduct research work.

- Applications can be submitted to the email address with the subject line containing the position applied for. Paper-based submissions are not initially necessary. An application should include:

 (i) A cover letter that contains a brief research plan and how suited the plan is to the position applied for;

 (ii) A CV in English that contain a full list of publications and contact information of at least five full professors who can act as referees;

 (iii) Five representative works (include journal papers, monographs and patents):
- patents); (iv) Certificate of highest degree

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- **1** Guanghua Building
- 2 Zhangjiang Library
- 3 ZhangJiang International Science and Technology Innovation Centre, Fudan University
- 4 Zhangjiang International Brain **Imaging Centre**





























