

The Cambridge – Fudan Symposium in Developmental Psychiatry

Tuesday 14th October 2025
9:00 – 17:30
Howard Theatre
Downing College, Cambridge

Generously supported by the Angharad Dodds John Bursary

UNIVERSITY OF CAMBRIDGE
Department of Psychiatry

FUDAN UNIVERSITY 1905 復旦大學

ISTBI 复旦大学类脑智能科学与技术研究院
Institute of Science and Technology for Brain-Inspired Intelligence

GETTING TO DOWNING COLLEGE

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Queen Anne P1

Grand Arcade P2

Arriving by road

From leaving the M11, A14 or A10 follow the direction arrows as shown here to Lensfield Road and Regent Street, where the entrance to Downing College is situated.

See the College Map for parking and other information

This information is available on the College Conference web site *www.downing-conferences-cambridge.com*

CONFERENCE SERVICES

01223 334 860

conference@dow.cam.ac.uk

Programme of Speakers

Time	Speaker(s)
9.00 – 9.30	**Registration**
9.30 – 9.35	Welcoming Address by Professor Trevor Robbins
Theme 1: Aetiology of Developmental Disorders	
9.35 – 10.10	Professor Tamsin Ford: Are the kids ok? Lessons from epidemiology about mental health in children and young people
10.10 – 10.45	Professor Peter Fonagy: The development of resilience and mental ill health: Does parenting play a role?
10.45 – 11.05	**Tea & Coffee break**
11.05 – 11.40	Professor Kathryn Abel & Dr Matthias Pierce: Critical examination of the fetal origins hypothesis of neuropsychiatric disorder
11.40 – 12.15	Dr Mary-Ellen Lynall: What can genetics and immunology teach us about mental health?
12.15 – 12.30	Panel Discussion & Questions, chaired by Professor Trevor Robbins
12.30 – 13.40	**Lunch**
Theme 2: Neurobiology of Developmental Disorders	
13.40 – 14.15	Professor Gunter Schumann: Understanding the brain in a changing environment: Strategies, methods and results

Time	Speaker(s)
Theme 2: Neurobiology of Developmental Disorders	
14.15 – 14.50	Professor Jianfeng Feng: Lifespan neurodevelopment at individual level
14.50 – 15.25	Professor Duncan Astle: Development, disorders and data science
15.25 – 15.40	Panel Discussion & Questions, chaired by Dr Anna Moore
15.40 – 16.00	**Tea & Coffee Break**
Theme 3: Interventions for Developmental Disorders	
16.00 – 16.35	Professor Fei Li: Advances in intervention and treatment for autism spectrum disorder
16.35 – 17.10	Dr Anna Moore: Towards the early identification of children's mental health problems
17.10 – 17.25	Panel Discussion & Questions, chaired by Professor Shouyan Wang
17.25 – 17.30	Summary & Closing Remarks by Professor Trevor Robbins
17.45 – 18:30	**Drinks Reception**

Speakers' Biographies



Professor Tamsin Ford
University of Cambridge

Head of the Department of Psychiatry

Professor Tamsin Ford is a Professor of Child and Adolescent Psychiatry and the Head of Psychiatry Department at Cambridge University. Her research focuses on the effectiveness of interventions and the efficiency of services in relation to the mental health of children and young people, with a particular focus on the interface between education and health systems. She completed her PhD at the Institute of Psychiatry, King's College London and set up the Children and Young People's Mental Health Research Group at Exeter Medical School in 2007. She moved to Cambridge in October 2019 where she is also an honorary consultant child and adolescent psychiatrist at Cambridge and Peterborough NHS Foundation Trust. She became the Head of Psychiatry Department at Cambridge in 2021 and is part of the Research Advisory Group of Place2Be, a third sector organisation providing mental health interventions and training to UK schools.

Research Interests: Child and adolescent mental health interventions, education-mental health interface

Email: tjf52@medschl.cam.ac.uk

Speakers' Biographies



Professor Peter Fonagy
University College London

Head of Division for Psychology and Language Sciences

Professor Peter Fonagy, CBE, is a Professor of Contemporary Psychoanalysis and Developmental Science and the Head of the Division of Psychology and Language Sciences at UCL. He is also the Executive Clinical Director for the UCLPartners Mental Health and Wellbeing Programme and a Senior National Clinical Adviser for NHS England on Children and Young People's Mental Health.

Peter was the Chief Executive of the Anna Freud Centre for over 20 years. His clinical and research interests lie in early attachment relationships, social cognition, borderline personality disorder, and violence. A central focus of his work has been the development of an innovative, research-based psychodynamic therapeutic approach—mentalisation-based treatment—created in collaboration with several clinical sites in the UK and USA. He has published over 725 scientific papers and 23 books.

Research Interests: Early attachment relationships, social cognition, BPD, MBT, psychodynamic therapy

Email: p.fonagy@ucl.ac.uk

Speakers' Biographies



Professor Kathryn Abel
University of Manchester

Professor of Psychological Medicine and Reproductive Psychiatry

Professor Kathryn Abel is a Professor of Psychological Medicine and the Director of the Centre for Women's Mental Health. She is an NIHR Senior Investigator, an ERC Fellow, and co-Chair of the Office for Life Sciences and UK Government Mental Health Goals Programme.

Her research focuses on maternal influences on offspring neurodevelopment, using neuroimaging and epidemiological methods to identify those at highest risk—particularly children exposed to parental mental illness. She is also an Honorary Consultant Psychiatrist with Manchester Mental Health and Social Care Trust and has played a leading role in shaping policy and service development for women in mental health care.

Research Interests: Maternal condition and fetal environment on offspring outcomes, abnormalities of maternal sensitivity and attachment, interventions to improve offspring outcomes for mentally ill mothers

Email: Kathryn.M.Abel@manchester.ac.uk

Speakers' Biographies



Dr Matthias Pierce
University of Manchester

Senior Research Fellow in the Centre for Women's Mental Health

Dr Matthias Pierce is a statistical epidemiologist, a Senior Research Fellow at the Centre for Women's Mental Health, and a Wellcome Trust Henry Dale Fellow. His primary research interest lies in understanding how family influences mental health and mental illness. He works predominantly with large observational datasets, applying a range of biostatistical methods to disentangle causal mechanisms from patterns of risk.

His wider interests include the mental health of children and young people, mental health in prison populations, the impact of the COVID-19 pandemic, perinatal epidemiology, and substance misuse.

Research Interests: Family and mental health, children and young people's mental health, prison mental health, perinatal epidemiology and substance misuse.

Email: Matthias.Pierce@manchester.ac.uk

Speakers' Biographies



Dr Mary-Ellen Lynall
University of Cambridge

Clinical Lecturer in Psychiatry

Dr Mary-Ellen Lynall is a psychiatrist and neuroimmunologist who leads the Cambridge-Oxford BioMIND Lab. Her research focuses on uncovering immune mechanisms underlying psychiatric disorders and stress responses, using a combination of immunogenetics, multiomic phenotyping in patient and population cohorts, and animal models. The BioMIND Lab aims to identify the causal roles of specific immune cell subsets and pathways in the development and persistence of psychiatric symptoms.

Dr Lynall is also co-founder and co-chair of the Psychiatric Genomics Consortium Functional Genomics Workgroup—an international hub for large-scale, open science. The group integrates genotyping and biomarker datasets to advance understanding of the biological basis of psychiatric conditions. She also serves as the blood biomarker lead for the UKRI Mental Health Platform.

Research Interests: Cell-subset specific biomarker of inflammation in depression and psychosis, immunogenetics, cellular omics

Email: mel41@medschl.cam.ac.uk

Speakers' Biographies



Professor Gunter Schumann
Fudan University

Distinguished Professor of
Institute of Science and
Technology for Brain-inspired
Intelligence

Professor Gunter Schumann is the Director of the Centre for Population Neuroscience (PONS) at Fudan University, Shanghai, and leads its sister centre at Charité – Universitätsmedizin Berlin. A Fellow of the European Academy of Science and Academia Europaea, he has been nominated for the German National Academy of Sciences Leopoldina.

Trained in medicine and psychiatry in Tübingen, Hamburg, Heidelberg and Harvard, Schumann has held senior academic roles, including Chair in Addiction Biology at King's College London and Deputy Director of the NIHR-Biomedical Research Centre. He founded the IMAGEN study and the PONS network, leading landmark research into how genetics and the environment shape the brain and mental health. Since 2022, he has coordinated the Horizon Europe project environMENTAL, investigating global environmental impacts on mental health. Schumann has published over 400 scientific papers, received major international awards, and secured over €40 million in research funding.

Email: gunter_schumann@fudan.edu.cn

Speakers' Biographies



Professor Jianfeng Feng
Fudan University

Dean of Institute of Science and Technology for Brain-inspired Intelligence

Professor Jianfeng Feng is the Chair Professor at the Shanghai National Centre for Mathematical Sciences, the Dean of the Brain-inspired AI Institute at Fudan University, and the Dean of the School of Data Science. He has made significant contributions to the development of brain-inspired AI algorithms and their application to challenges in neuroscience and mental health, with numerous publications in Cell, Nature Medicine, Nature Human Behaviour, Nature Aging, Nature Mental Health, and others.

He led a team that implemented, for the first time in the world, a digital twin brain comprising 86 billion neurons and 100 trillion parameters. Professor Feng has been awarded the 2023 Humboldt Research Award, the prestigious Royal Society Wolfson Research Merit Award, and was invited to deliver the 2019 Paykel Lecture at the University of Cambridge.

Research Interests: Brain disorder, brain tumour, computational neuroscience, modelling, data analysis and experiment, Machine Learning

Email: jffeng@fudan.edu.cn

Speakers' Biographies



Professor Duncan Astle
University of Cambridge

Gnodde Goldman Sachs Professor of Neuroinformatics, Department of Psychiatry

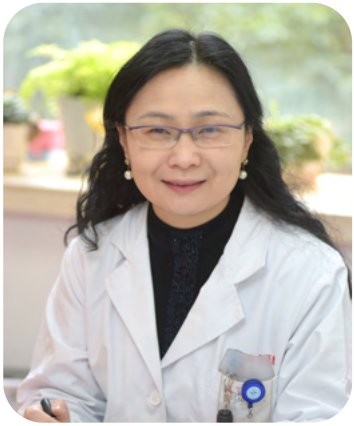
Professor Duncan Astle is a Professor of Neuroinformatics at the Department of Psychiatry, a Programme Leader at the Medical Research Council's Cognition and Brain Sciences Unit, and a Fellow of Robinson College. He leads the '4D Lab' (www.astlelab.com) which employs a range of analytical tools to address key clinical and fundamental questions about childhood development and its disorders. His work is supported by the Royal Society, the British Academy, the Medical Research Council, the Economic and Social Research Council, and various charitable foundations.

As a developmental cognitive neuroscientist, his research uses multiple methods to investigate how brain systems develop throughout childhood, and the mechanisms underlying divergent developmental trajectories and neurodevelopmental disorders.

Research Interests: Bridging brain and mind, responding to adversity, understanding complex disorders

Email: duncan.astle@mrc-cub.cam.ac.uk

Speakers' Biographies



Professor Fei Li
Shanghai Jiao Tong University

Director of Department of Developmental and Behavioral Paediatric and Child Primary Care

Dr Fei Li completed postdoctoral training in developmental behavioural paediatrics and cognitive neurobiology. As a senior visiting scholar, she worked at Harvard University, Boston Children's Hospital, and Wisconsin Children's Hospital, focusing on children's cognitive and behavioural problems. She has extensive clinical experience in the prevention and treatment of ASD, ADHD, and common comorbidities such as eating disorders and obesity.

Dr Li addresses clinical challenges in these neurodevelopmental disorders through translational research using multidisciplinary methods including neuroimaging, neurotoxicology, epidemiology, and nutrition. She has identified risk factors, clarified exposure–outcome mechanisms, discovered biomarkers for early detection, and developed programmes integrating medicine and prevention.

Research Interests: Children's cognitive and behavioral problems, ASD, ADHD, and common comorbidities

Email: feili@shsmu.edu.cn

Symposium Organisers



Professor Trevor Robbins
University of Cambridge

Professor of Cognitive Neuroscience
Angharad Dodds John Fellow in Mental Health at Downing College (2012-2018)

Professor Trevor Robbins has been a Professor of Cognitive Neuroscience at Cambridge since 1997, having spent most of his career there and receiving his PhD in 1975. He also served as a Professor of Experimental Psychology and was the Head of the Department of Psychology from 2002 to 2017.

He is a Fellow of the British Psychological Society, British Pharmacological Society, Academy of Medical Sciences, and the Royal Society (2005), as well as a Distinguished Professor at Fudan University. He has published over 1,000 peer-reviewed papers, cited more than 240,000 times (H-index 271, Google Scholar), and co-edited ten books, including Neurobiology and Treatment of OCD (Springer, 2021) and The Frontal Cortex (MIT Press, 2024). He has edited Psychopharmacology since 1980 and is an editorial advisor for Science. He was awarded a CBE in 2012 for services to medical research.

Research Interests: Psychopharmacology, functions of the frontal lobes and their connections with other regions, neuropsychiatric disorders

Email: twr2@cam.ac.uk

Symposium Organisers



Professor Shouyan Wang
Fudan University

Deputy Dean of Institute of Science and Technology for Brain-Inspired Intelligence

Professor Shouyan Wang is the Vice Dean of the Institute of Science and Technology for Brain-Inspired Intelligence and the Director of the Neuromodulation and Brain-Machine Interface Centre at Fudan University. He also serves as the Chair of the Neuromodulation Branch of the Chinese Neuroscience Society and the Vice Chair of the Brain-Computer Interface Alliance of China.

He previously conducted research on neural information decoding and brain stimulation at the University of Oxford, University of Southampton, and Chinese Academy of Sciences. At Fudan, he has developed a comprehensive research platform for neuromodulation, spanning invasive and non-invasive methods, intelligent neuromodulation technologies, and neuroimaging. His research focuses on intelligent neuromodulation, digital healthcare, and translational applications in clinical settings.

Research Interests: Digital medicine and therapeutics, intelligent brain stimulation, neural decoding

Email: shouyan@fudan.edu.cn

Symposium Organisers



Dr Anna Moore
University of Cambridge

Assistant Professor in Child Psychiatry and Medical Informatics

Dr Anna Moore is an Assistant Professor in Child Psychiatry and Medical Informatics and a UKRI Future Leaders Fellow. She is also a Consultant Child Psychiatrist at Cambridgeshire and Peterborough NHS Foundation Trust. Her research focuses on developing personalised, preventative clinical pathways for children's mental health.

She leads the TIMELY programme, which integrates diverse data sources—including health, education, and social care—within CADRE (Children and Adolescents Data Resource), a secure environment supporting privacy-preserving federated analytics across broad regions. TIMELY uses these data to develop digital tools for early identification and intervention in children and young people's mental health. Additionally, she leads the NIHR BioResource's D-CYPHR programme and the i-THRIVE programme.

Research Interests: Digital tools for early identification and intervention, AI, child and adolescent mental health care

Email: am2708@cam.ac.uk

Fudan Delegation



Professor Jintai Yu
Fudan University

Deputy Director of Department of Neurology at Huashan Hospital

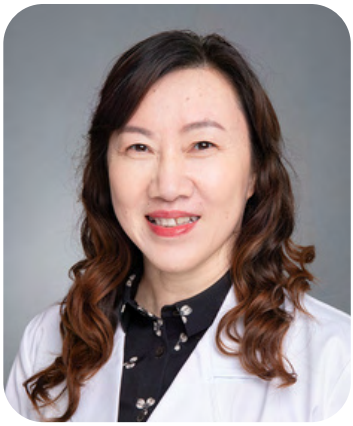
Professor Jintai Yu is a Clinical Neurologist, a Chief Physician, and a PhD Supervisor. He is a Chang Jiang Scholar Distinguished Professor and currently serves as the Deputy Director of the Department of Neurology at Huashan Hospital, the Executive Deputy Director of the Institute of Neurology at Fudan University, and the Leader of the National Medical Centre for Neurological Disorders in Cognitive Impairment.

He is also a Principal Investigator at the National Clinical Medical Research Centre for Geriatric Diseases, a Deputy Group Leader of the Neuropsychology and Neuropsychiatry Group of the Chinese Medical Association, and the Editor-in-Chief of the journal Brain Disorders. He leads several national research projects and, as corresponding author, has published over 100 SCI papers in leading journals such as Nature Human Behaviour and The Lancet Neurology, with more than 18,000 citations. He has been recognised as a Highly Cited Researcher for four consecutive years.

Research Interests: Aging, Alzheimer's disease, Dementia, Neuroimaging, GWAS

Email: jintai_yu@fudan.edu.cn

Fudan Delegation



Professor Yi Wang
Fudan University

Dean of Children's Hospital

Professor Yi Wang is a leading expert in paediatric neurology and currently serves as the Dean of Children's Hospital. Her research focuses on the genetics and clinical management of childhood epilepsy and related comorbidities, with a strong emphasis on rare diseases and translational medicine. She has led major national and provincial projects, including the Phenomics Study of Refractory Epilepsy in Children and the Molecular Typing of Epilepsy Based on Omics Features.

She has presided over 14 major research projects and participated in 10 international multi-centre clinical trials. Her work on new drug therapies for spinal muscular atrophy (SMA) has led to globally recognised breakthroughs, with findings published in the New England Journal of Medicine. Additionally, she has authored over 185 academic papers, including more than 80 in SCI-indexed journals, and contributed to over 20 medical textbooks.

Research Interests: Neurology, mechanisms of epilepsy, brain networks and treatment

Email: yiwang@shmu.edu.cn

Fudan Delegation



Professor Binbin Chen
Fudan University

Director of Department of Psychology

Professor Binbin Chen is the Chair of the Department of Psychology at Fudan University. He has also held a visiting appointment in the Department of Psychiatry at Cambridge and was a Visiting Fellow at Hughes Hall. His research focuses on family relationships and the social and emotional development of children and adolescents in Chinese contexts.

He leads the Shanghai Sibling Study (Triple-S project), a seven-year longitudinal investigation into family dynamics and firstborn adjustment following the birth of a sibling, funded by the National Natural Science Foundation of China. He has published in leading journals including Child Development, Developmental Psychology, and Development and Psychopathology, and serves as an Associate Editor of the Journal of Research on Adolescence. He has received 20 awards, including the SRCD Asian Caucus Early Career Award, and was ranked among the world's top 2% of scientists by Stanford University in 2024.

Research Interests: Child psychology, family education

Email: chenbinbin@fudan.edu.cn

Fudan Delegation



Professor Deniz Vatansever
Fudan University

Principal Investigator, Institute of Science and Technology for Brain-Inspired Intelligence

Professor Deniz Vatansever is a Research Professor at the Institute of Science and Technology for Brain-Inspired Intelligence (ISTBI), Fudan University. He obtained his PhD in Clinical Neurosciences from the University of Cambridge, followed by a postdoctoral research fellowship in the Semantics and Mind-Wandering Laboratory at the University of York.

He now leads the Cognition and Brain Imaging Laboratory (COGNISE Lab) at ISTBI, aiming to uncover the neural mechanisms underpinning learning and memory, with a particular focus on the default mode network and mental navigation. His research integrates cognitive, clinical, and computational neuroscience to explore areas such as value-based decision-making, concept classification, aesthetic experience, and neural plasticity. His work bridges neuroscience and artificial intelligence, seeking to advance both fields through a system-level approach.

Research Interests: Cognitive, clinical neurosciences, neuroimaging

Email: deniz@fudan.edu.cn

Fudan Delegation



Professor Qiang Luo
Fudan University

Principal Investigator, Institute of Science and Technology for Brain-Inspired Intelligence

Professor Qiang Luo, PhD, is an Associate Principal Investigator at ISTBI. He was a Senior Visiting Lecturer at King's College London (2016–2019) and a Visiting Fellow at Clare Hall, University of Cambridge (2018–2019). His multidisciplinary research focuses on adolescent brain development, neuropsychiatric disorders, and personalised treatment design using artificial intelligence.

He is the Principal Investigator on three grants from the National Natural Science Foundation of China and has published in leading journals such as JAMA Psychiatry, Molecular Psychiatry, American Journal of Psychiatry, NeuroImage, and Psychological Medicine. He has written an invited commentary for JAMA Psychiatry and serves as a Review Editor for Frontiers in Computational Neuroscience and a Topic Editor for Frontiers in Psychiatry.

Research Interests: Adolescent brain development, treatment of neuropsychiatric disorders using AI

Email: qluo@fudan.edu.cn

Fudan Delegation



Professor Wei Cheng
Fudan University

Principal Investigator, Institute of Science and Technology for Brain-Inspired Intelligence

Professor Wei Cheng is a Principal Investigator at ISTBI. He obtained his PhD in Applied Mathematics from Fudan under the supervision of Prof. Jianfeng Feng, and completed a postdoctoral fellowship in the Department of Statistics. During this time, he was also a visiting scholar at the University of Warwick, conducting neuroscience research with Prof. Edmund T. Rolls, and is now an Honorary Research Fellow in Warwick's Department of Computer Science.

Professor Cheng has published over 50 SCI articles as first or corresponding author in leading journals such as JAMA Psychiatry, Nature Aging, Nature Mental Health, Nature Communications, and Brain, with more than 4,700 citations. He serves on the editorial board of the Journal of Neuroscience Methods and regularly reviews for journals such as Nature Human Behaviour and Biological Psychiatry.

Research Interests: Biomedical data, brain disease prediction, statistical and computational models

Email: wcheng@fudan.edu.cn

Fudan Delegation



Associate Professor Xiao Xiao
Fudan University

Executive Director of Behavioural and Cognitive Neuroscience Centre

Dr Xiao Xiao is an Associate Professor and a Principal Investigator at the Institute of Science and Technology for Brain-Inspired Intelligence (ISTBI), Fudan University, and the Executive Director of the Behavioural and Cognitive Neuroscience Centre. She earned a BSc in Biomedical Engineering from Xi'an Jiaotong University and completed her PhD at Fudan's Institute of Neurobiology, focusing on molecular mechanisms of aversive pain behaviour, supported by the Excellent Doctor Project Foundation.

She then conducted postdoctoral research at Yale University, identifying molecular pathologies of synapse stabilisation and neural circuit plasticity. Dr Xiao has received awards including the GlaxoSmithKline Tomorrow's Star Award, American Heart Association Postdoctoral Fellowship, and Shanghai Young Talents Award. Her research uses cognitive testing, electrophysiology, optical methods, and machine learning to study neural circuits and molecular mechanisms in emotional and cognitive disorders.

Research Interests: Neural circuit and molecular mechanism of emotional and cognitive disorders

Email: xiaoxiao@fudan.edu.cn

Fudan Delegation



Associate Professor Yuwei Jiang
Fudan University

Principal Investigator, Institute of Science and Technology for Brain-Inspired Intelligence

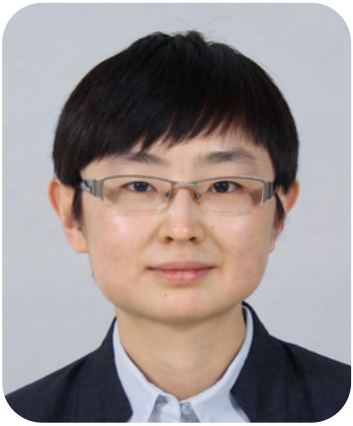
Dr Yuwei Jiang is an Associate Professor and a Principal Investigator at the Institute of Science and Technology for Brain-Inspired Intelligence (ISTBI), Fudan University, where she leads the MEG platform. Her research uses MRI, MEG, and EEG to investigate neural mechanisms underlying cognitive functions such as language, auditory processing and consciousness across adults, infants and small animals.

Using multimodal neuroimaging, she explores the links between brain disorders and functional dysfunction, including brain development, injury, and psychiatric conditions. Dr Jiang has published in journals including Nature Neuroscience, eLife, and Communications Biology. She has received grants from the National Natural Science Foundation of China and is a member of the Youth Innovation Promotion Association of the Chinese Academy of Sciences, as well as an Elite Innovative Talent of Pudong New Area's Pearl Plan.

Research Interests: Neural mechanisms of cognitive neuroscience from large-scale brain networks

Email: yuwjiang@fudan.edu.cn

Fudan Delegation



Associate Professor Xiao Chang

Principal Investigator, Institute of Science and Technology for Brain-Inspired Intelligence

Dr Xiao Chang is an Associate Researcher at the Institute of Science and Technology for Brain-Inspired Intelligence (ISTBI), Fudan University. Her research investigates imaging-genetic mechanisms of psychiatric disorders such as schizophrenia and depression. By combining neuroimaging, genetics, and computational modelling, she explores how brain changes relate to clinical symptoms and cognitive dysfunction.

Dr Chang completed postdoctoral research at King's College London (2019–2020) and has received funding from China's National Key R&D Program, National Natural Science Foundation, and Shanghai Science and Technology Commission. She is also an Everest Talent Programme awardee from the Frontier Science Center for Brain Science.

Research interests: Multimodal neuroimaging of brain alterations in schizophrenia, computational modelling for individualised diagnosis and treatment in psychiatry

Email: xchang@fudan.edu.cn

Fudan Delegation



Associate Professor Xiaoqian Yan
Fudan University

Principal Investigator, Institute of Science and Technology for Brain-Inspired Intelligence

Dr Xiaoqian Yan is currently a Young Principal Investigator at the Institute of Science and Technology for Brain-Inspired Intelligence (ISTBI) at Fudan University. She previously conducted postdoctoral research at the Department of Psychology at Stanford University, University of Lorraine, and Catholic University of Louvain. Dr Yan employs a multidimensional approach, including cognitive neuroscience, developmental neuroscience, and neuroimaging. Her research focuses on understanding the neural mechanisms of visual perception and emotion processing in the human brain. She is also interested in how the human brain develops functionally and structurally during development, as well as how daily experiences shape its functional neuroarchitecture. To date, she has published around 20 peer-reviewed articles in high-impact journals, including Nature Human Behaviour, eLife, Cerebral Cortex, and Cortex.

Research interests: Brain development, visual perception, emotion

Email: xqyan@fudan.edu.cn

Fudan Delegation



Associate Professor Miao Cao
Fudan University

Principal Investigator, Institute of Science and Technology for Brain-Inspired Intelligence

Dr Miao Cao is an Associate Professor and a Principal Investigator at the Institute of Science and Technology for Brain-Inspired Intelligence (ISTBI), Fudan University. She earned her PhD in Cognitive Neuroscience from Beijing Normal University. Her research focuses on employing advanced neuroimaging and human connectomics to unravel the mechanisms of brain development and their clinical implications. She has published over 30 SCI papers, including 18 as first or corresponding author in prestigious journals such as Trends in Neuroscience and Molecular Psychiatry. Dr Cao is currently interested in bridging fundamental discoveries in developmental neuroscience with clinical applications, particularly in neurodevelopmental disorders such as ASD and ADHD.

Research Interests: Early brain development, neural mechanisms of neurodevelopmental disorders, neuroimaging

Email: mcao@fudan.edu.cn

Fudan Delegation



Associate Professor Chun Shen
Fudan University

Young Principal Investigator,
Institute of Science and Technology
for Brain-Inspired Intelligence

Dr Chun Shen is a Young Principal Investigator at the Institute of Brain-Inspired Intelligence, Fudan University. She earned her PhD in Biomedical Engineering from Fudan University in 2020 and completed postdoctoral training there until 2024. From 2023 to 2024, she was a visiting scholar at the Department of Clinical Neurosciences at Cambridge. Her research focuses on mental health and neuroimaging, particularly the interplay between social connections and health in vulnerable groups such as adolescents and the elderly. Using large-scale longitudinal cohorts, she integrates multimodal neuroimaging, genetic, and multi-omics data to investigate how social relationships influence mental and brain health. Dr Shen has published as first or corresponding author in leading journals including Nature Human Behaviour, Nature Mental Health, American Journal of Psychiatry, Biological Psychiatry, Neurology, and eLife, with one paper recognised as an ESI Hot Paper.

Research interests: Interplay between social connections and health, neuroimaging

Email: shenchun@fudan.edu.cn

Fudan Delegation



Associate Professor Weikang Gong
Fudan University

Young Principal Investigator,
School of Data Science

Dr Weikang Gong is an Associate Professor at the School of Data Science, Fudan University. Dr Gong earned his PhD from the Oxford Centre for Functional MRI of the Brain (FMRIB), University of Oxford. His primary research focuses on multimodal medical image fusion, generative biomedical large models, and computer vision. As the first or corresponding author, he has published papers in Nature Communications, Molecular Psychiatry, and leading medical imaging journals such as Medical Image Analysis, IEEE Transactions on Medical Imaging, and NeuroImage. His work has been recognised as ESI Highly Cited Papers and has received positive evaluations and applications in top-tier international journals such as Nature Medicine, The Lancet Digital Health, and Neuron.

Research Interests: Multimodal medical image fusion, generative biomedical large models, computer vision for medical imaging

Email: weikanggong@fudan.edu.cn

Organising Committee



Kunyi Ding
Research Assistant
University of Cambridge
xd281@cam.ac.uk



Lily Zhang
Research Assistant
University of Cambridge
lz508@cam.ac.uk



Qishu Shen
Foreign Affairs Officer
ISTBI, Fudan University
istbi_ic@fudan.edu.cn