Jin BAO

Professor Jin BAO

Shenzhen Institutes of Advanced Technology,
Chinese Academy of Sciences, China

Biography

Dr. Jin BAO is Principal Investigator of Neuroscience in Shenzhen Institutes of Advanced Technology (SIAT), Chinese Academy of Science (CAS). She received her Bachelor's degree of Biomedical Engineering from Zhejiang University in China and PhD of Neuroscience from Goettingen University in Germany. The research team led by Dr. Bao applies multi-disciplinary approaches to understand the brain's "language": how the brain encodes information into patterns of electrical and chemical signals. Dr. Bao was awarded Marie Curie Fellow from Europe and is now the PI of Excellent Young Researcher Grant from National Science Foundation of China (NSFC). Her research work has been published in leading neuroscience journals, such as Cell and Neuron.

Lingqian CHANG

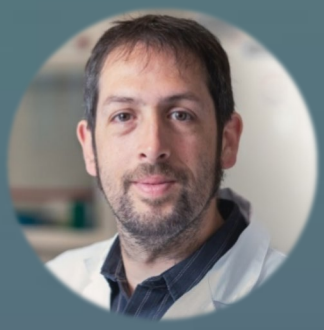
Professor Lingqian CHANG

School of Biological Science and Medical Engineering,
Beihang University, China

Biography

Lingqian Chang is the Vice Dean of the School of Medical Engineering at Beihang University, Dean of the Academy of Medical-Engineering Interdisciplinary Research, and Director of the Key Laboratory of Big Data-Based Precision Medicine under the Ministry of Industry and Information Technology. He previously served as an Assistant Professor at the University of North Texas. His primary research focuses on nano-electroporation and drug delivery technologies. He has been supported by prestigious programs including the National Science Fund for Distinguished Young Scholars, the Young Yangtze River Scholar, and the Young Thousand Talents Plan. He has published over 80 papers in journals such as Nature, Cell, Nature Electronics, Nature Photonics, Nature Protocols, PNAS, Nature Communications, and Science Advances as a corresponding author. His honors include the MIIT Distinguished Young Scholar Award, the Micro Nano Engineering Young Scientist Award, and the China Rising Scientist and Innovator Award. His technologies have been successfully commercialized, securing two rounds of funding and currently valuing the company at 120 million yuan.

Simon James CONN



Professor Simon James CONN

College of Medicine and Public Health,
Flinders University, Australia

Biography

Professor Simon Conn completed his PhD at Flinders University in 2006 and has become an internationally recognised molecular biologist for his pioneering discoveries in circular RNA biology and cancer research, being listed in the top 2% of global scientists since 2020. Simon has over 70 publications in journals including Cell (2 papers), Cancer Cell, Nature Biotechnology, Nature Plants, Nature Reviews Cancer and has over 8,500 career citations. He has been awarded over $18M in competitive research grants as chief investigator, continuously funded via research fellowships since 2011 and currently holds his second prestigious National Health and Medical Research Council Investigator Leadership Grant. Professor Conn's team investigates the role of circular RNAs in leukemia, brain cancer and in stem cell differentiation. His discoveries have reshaped scientific understanding of RNA function and opened new avenues for precision medicine to improve cancer survival.

Yanan DU

Professor Yanan DU

School of Biomedical Engineering,
Tsinghua University, China

Biography

Dr. Yanan Du received his B.Eng. degree in Chemical Engineering from Tsinghua University and Ph.D. in Bioengineering from National University of Singapore. Dr. Du completed his postdoctoral training at Harvard-MIT Division of Health Science and Technology, MIT and Brigham &Women's hospital, Harvard Medical School. In 2010, he joined the faculty at Department of Biomedical Engineering, School of Medicine, Tsinghua University as principal investigator, obtained full professorship in 2019. He was appointed as Vice Dean of the School of Biomedical Engineering, at Tsinghua University in 2024.

Dr. Du's research team have been innovating in the field of 'Microtissue Engineering by fine-tuning the microscale 3D regenerative or fibrotic microenvironments. provides innovative and effective tools and solutions for cell manufacturing, regenerative medicine, and pathology study. Dr. Du has published ~120 high-impact papers in journals including Nature Materials, Nature BME, PNAS. Meanwhile, He has obtained the grant of 20 patents, including 2 patents of micro-tissue engineering, which have been commercially translated with related products approved as the first cell pharmaceutical excipients by both China CDE and US FDA. He has been also serving as Editorial Board Members of five journals including Tissue Engineering Part C, ACS Biomaterials Science & Engineering and Cell Regeneration.

Kathryn M. FERGUSON

Professor Kathryn M. FERGUSON

Yale School of Medicine,
Yale University, United States

Biography

Kathryn Ferguson is an Associate Professor of Pharmacology and a member of the Yale Cancer Biology Institute at Yale University. Her laboratory focuses on understanding extracellular control of receptor tyrosine kinase activation, and how this can be modulated by therapeutic agents. Dr. Ferguson began her training at Yale, where she obtained a Ph.D. in Biophysical Chemistry under the mentorship of Paul B. Sigler. She went on to complete postdoctoral training at the University of Pennsylvania Perelman School of Medicine, where she joined the Department of Physiology as an Assistant Professor in 2003, gaining tenure in 2008. She returned to Yale in 2015 to join the Yale Cancer Biology Institute and Department of Pharmacology. Dr. Ferguson is strongly committed to graduate education, serving as Chair of the Biochemistry and Molecular Biophysics Graduate Group at UPenn (2009-2015), and at Yale she is co-Director of Admissions for the Translational Biology, Molecular Medicine, Pharmacology, and Physiology (TMMPP) Track of the Combined Ph.D. Program in Biological and Biomedical Sciences (BBS), Yale University School of Medicine, and co-Director of Graduate Studies for the Pharmacology Graduate Program.

Megan HO

Professor Megan HO

Department of Biomedical Engineering,
The Chinese University of Hong Kong, China

Biography

Yi-Ping (Megan) Ho is currently a Professor, the Vice Chairman (Research) and the MSc Programme Director in the Department of Biomedical Engineering at the Chinese University of Hong Kong. She received her B.S. and M.S. in Power Mechanical Engineering from National Tsing-Hua University, Taiwan. She received her Ph.D. in Mechanical Engineering from the Johns Hopkins University. After her postdoctoral training with Duke University, she received the Young Elite Researcher Award from the Danish Research Council and started her independent career at Aarhus University in Denmark. She has published 90 peer-reviewed journal articles, 7 book chapters, 96 conference papers, edited 1 book and holds 6 granted patents. The results that she presented have been recognized internationally by the American Society of Gene Therapy and Controlled Release Society. Her research is focused on developing nanosensors and microfluidics as diagnostic tools that may potentially expand the capacity of disease detection and treatment evaluation.

Da JIA

Professor Da JIA

State Key Laboratory of Biotherapy,
Sichuan University, China

Biography

Affiliation: West China Second University Hospital, State Key Laboratory of Biotherapy, Sichuan University

Position: Vice Director, Research Institute of West China Second University Hospital

Honors: Recipient of the National Science Fund for Distinguished Young Scholars (National "Jie Qing"); National High-Level Overseas Young Talent

Education:
B.S., Jilin University (2000)
Ph.D., Emory University, USA (2007)
Postdoctoral Training: UT Southwestern Medical Center/HHMI (2008-2015)

Research: Dr. Jia's group investigates the dynamic regulation of organelles, vesicular trafficking, and pathogenic mechanisms of related neurological disorders. His group is also dedicated in developing novel therapeutic strategies for these diseases.

Publications: over 70 papers with more than 7,800 citations. In the past 5 years, as corresponding author, published research articles in journals including Cell, Molecular Cell, Nature Metabolism, Nature Structural & Molecular Biology, Nature Communications, PNAS, Journal of Cell Biology, STTT, and Cell Research.

Professional Service:
Executive Vice President, Sichuan Society for Cell Biology
Vice Chair, Membrane Biology Committee, Chinese Biophysical Society
Vice Chair, Young Investigator Committee, Chinese Society for Cell Biology
Convener, Whangpoo Laboratory Leadership Academy (WLLA)

Dayong JIN

Professor Dayong JIN

School of Mathematical and Physical Sciences,
University of Technology Sydney, Australia

Biography

Dayong Jin is a distinguished professor at UTS, an ARC Laureate Fellow, Fellow of Australian Academy of Technology and Engineering, and a Clarivate Top 0.1% Highly Cited Researcher, with expertise covering biomedical engineering, nanotechnology, microscopy, microfluidics, and analytical chemistry, to enable rapid detection of cells and molecules. He established the UTS Institute for Biomedical Materials & Devices (IBMD) to transform advances in phonics and materials into disruptive biotechnologies. He is the recipient of the 2017 Australian Academy of Science Engineering Science Award, and the 2017 Australian Prime Minister's Prize for Science. He published 300+ papers, including 40+ in Nature and its sister journals.

Youngseok JU

Professor Youngseok JU

Graduate School of Medical Sciences and Engineering,
Korea Advanced Institute of Science and Technology, Korea

Biography

He serves as a Professor at the Graduate School of Medical Science and Engineering at KAIST (Korea Advanced Institute of Science and Technology), where he directs the Center for Somatic Mutation and Mosaicism (SMM). He received his MD (2007) and PhD (2010) from Seoul National University and conducted postdoctoral research at the Wellcome Sanger Institute. Notably, he conducted the first whole-genome analysis of a Korean individual (Nature, 2009) and discovered the KIF5B-RET fusion oncogene in lung adenocarcinomas (Genome Res, 2011). Presently, his research is primarily focused on understanding somatic mosaicism in the human body. He has authored several papers on somatic mutations acquired during early human embryogenesis (Nature, 2017, 2021), as well as on widespread LINE-1 retrotranspositions in human normal colon epithelium (Nature 2023) and mitochondrial DNA mosaicism in human normal cells (Nature Genetics 2024). Additionally, he is a co-founder of Inocras, a precision medicine company based in San Diego, USA.

Chulhong KIM

Professor Chulhong KIM

Department of Electrical Engineering,
Pohang University of Science and Technology, Korea

Biography

Dr. Chulhong Kim studied for his Ph.D. degree under Prof. Lihong Wang at Washington University in St. Louis. He currently holds Namgo Chair Professorship, Young Distinguished Professorship, and Mueunjae Chair Professorship of School of Convergence Science and Technology (Head), Convergence IT Engineering (Department Chair), Electrical Engineering, Mechanical Engineering, and Medical Science and Engineering (Program Chair) at Pohang University of Science and Technology in Republic of Korea. He is the Director of Medical Device Innovation Center supported by Ministry of Education and the Vice-Director of POSTECH-CATHOLIC BioMed Engineering. He is also the Chief Executive Officer of Opticho Inc., a spinoff company to commercialize preclinical and clinical photoacoustic imaging systems. He was the recipients of the 2022 Korean Presidential Award from Ministry of SMEs and Startups, the Science and Technology Award of the Month for December 2021 by the Korean Minister of Science and ICT, the LINA+50 Creative Innovation Award, the 2020-2021 IEEE EMBS Distinguished Lecturer, the 2017 IEEE EMBS Early Career Achievement Award, the 2017 KAST Young Scientist Award, etc. He has published 275 peer-reviewed journal articles (Nature and Science portfolio journals, PNAS, Chemical Reviews, Radiology, IEEE Transactions, etc). His Google Scholar h-index and citations have reached 83 and over 22,300, respectively. His group's works have been selected for the 1st positions of the USenhance and TDSC-ABUS Challenges in the 26th International Conference on Medical Image Computing and Computer Assisted Intervention (MICCAI 2023), the 2022/2025 Photoacoustics Journal and TomoWave Best Paper Award and Seno Medical Best Paper Award Finalists continuously in Photons Plus Ultrasound Conference (Photonics West, SPIE), the 2020 Hitachi High-tech Best Presentation Award in High Speed Imaging and Spectroscopy Conference (Photonics West, SPIE), and the 2020 Microscopy Today Innovation Award. He has currently served as a Section Editor of Photoacoustics Journal (premier journal in the field), a Senior Area Editor of IEEE T. Medical Imaging, an Associate Editor of IEEE T. Biomedical Engineering, an Editorial Board Member of Biomedical Engineering Letters, etc. He is also elected as a member of the National Academy of Engineering of Korea (NAEK) and Young Korean Academy of Science and Technology (Y-KAST). He is a Fellow of the IEEE, SPIE, OPTICA, IAMBE and AIMBE.

Chun Kit KWOK

Professor Chun Kit KWOK
Department of Chemistry,
City University of Hong Kong, China

Biography

Dr. Kit Kwok obtained his B.Sc. in Chemistry (2009) from the Chinese University of Hong Kong, after completing an exchange program at University of California, Los Angeles in 2007-2008. He completed his PhD in Pennsylvania State University (2014), mentored by Professor Philip C. Bevilacqua and Professor Sarah M. Assmann. In Apr 2014, Dr. Kwok worked as a Croucher Postdoctoral Fellow in University of Cambridge under Professor Sir Shankar Balasubramanian. In Oct 2016, Dr. Kwok's joined the City University of Hong Kong (CityU) as an Assistant professor and has been promoted to Associate professor in July 2021. Over the years, Dr. Kwok have received numerous awards, including CityU President Award (2019), Croucher Innovation Award (2019), Hong Kong Institute for Advanced Study Rising Star in Chemistry (2021), CityU Outstanding Research Award (2022), NSFC Excellent Young Scientist Fund (優青) (2022), RNA Society Early-Career Award (2024), and RGC Research Fellowship (2025). In 2022, he has been recognized as an elected member of Hong Kong Young Academy of Science (YASHK).

Dr. Kwok's current research focus is to explore the roles of RNA structures and interactions in biology, especially the functions of G-quadruplex structures/interactions in diverse classes of RNAs, as well as characterizing their formation, dynamics, interactions, and functions in different species and their relevance to gene regulation, RNA metabolism and diseases. Two other ongoing research directions in the Kwok lab are to develop aptamer-based and peptide-based targeting tools for detection, imaging, intervention of these important RNA structures and interactions, as well as to invent innovative nucleic acid-based technologies for sensing chemical pollutants and pathogens.

To cultivate a stimulating learning environment for students and to establish the RNA community in Hong Kong, Dr. Kwok, together with Dr. Minh Le, has founded the Hong Kong RNA Club in Aug 2017 and organized RNA seminar and symposium events regularly (http://www.kitkwok.com/hk-rna-club.html). The Hong Kong RNA Club has been recognized and supported by the International RNA Society and various industrial companies. Dr. Kwok is currently one of the RNA Society's Asia RNA research ambassadors.

Mark LEMMON

Professor Mark LEMMON

Yale School of Medicine,
Yale University, United States

Biography

Mark Lemmon is Alfred Gilman Professor and Chair of Pharmacology at Yale University and Co-Director of the Yale Cancer Biology Institute. His research focuses on mechanistic, structural and biochemical aspects of signaling by growth factor receptor tyrosine kinases. Educated in Oxford, England (BA Hons, 1st class, biochemistry), Yale (PhD in Mol. Biophysics and Biochemistry) and NYU (postdoc in pharmacology), he became an Assistant Professor of Biochemistry and Biophysics at the University of Pennsylvania Perelman School of Medicine in 1996, promoted to Associate Professor in 2001, and Full Professor in 2004. He was George W. Raiziss Chair of Biochemistry and Biophysics at Penn from 2008 to 2015. Dr. Lemmon moved to Yale in 2015 to build a new Cancer Biology Institute on the West Campus, and was appointed Chair of Pharmacology in 2023. Dr. Lemmon serves on the Editorial Boards of Cell, Molecular Cell, Science Signaling, and other journals, and is Chair of the Editorial Board of the Biochemical Journal. He was ASBMB Secretary from 2007 to 2013. Honors include the Dean's Award for Graduate Student Training at Penn (2005), Penn's Stanley Cohen Biomedical Research Award (2009), the Protein Society's Dorothy Crowfoot Hodgkin Award (2012) and Yale Cancer Center's Basic Science Research Award (2018). He was elected as a Fellow of the Royal Society (FRS) in 2016, as an ASBMB Fellow and a Life Fellow of the European Academy of Medical Sciences in 2023, and as a member of the Connecticut Academy of Science and Engineering (CASE) in 2024.

Zhou LI

Professor Zhou LI

School of Biomedical Engineering,
Tsinghua University, China

Biography

Li Zhou is a tenured Associate Professor at the School of Biomedical Engineering, Tsinghua University, and holds dual appointments as a Researcher at Tsinghua University's Clinical Medicine/Beijing Tsinghua Changgung Hospital, where he also serves as Director of the Vita Tech Innovation Center.

He has been honored with numerous prestigious awards, including the National Science Fund for Distinguished Young Scholars, the Beijing Natural Science Fund for Distinguished Young Scholars, the National Ten-Thousand Talents Program—Young Top-notch Talent, the Ministry of Education's New Century Excellent Talents Award, the Beijing High-Level Talent Development Plan, and the Beijing Science and Technology Rising Star Award.

Dr. Li also holds several key leadership positions within academic societies, including Council Member of the Chinese Society of Biomedical Engineering (CSBME) and Vice Chair of its Youth Committee; Vice Chair of the Intelligent Medical Materials and Devices Branch of the Chinese Materials Research Society; Youth Vice Chair of the Life Electronics Society of the Chinese Institute of Electronics; Vice Chair of the Metaverse Branch of the Chinese Association for System Simulation; and Vice Chair of the Rehabilitation Engineering Committee of the China Association of Assistive Products.

Additionally, he serves as an expert advisor on several national strategic research and planning committees, such as the strategic research group on sensors in advanced manufacturing for China's Medium- and Long-Term Science and Technology Development Plan and as a specialist in the guideline formulation and steering committee for the "Smart Sensors" priority project under the National Key R&D Program during the 14th Five-Year Plan. He is also appointed as an expert in the special review process for innovative medical devices under the National Medical Products Administration (NMPA).

Dr. Li's research focuses on novel bioelectronic devices and medical instrumentation. He received the Second Prize of the Beijing Science and Technology Award as the primary contributor and was awarded the Young Scientist Award by the International Federation for

Medical and Biological Engineering (IFMBE). He has authored 23 articles in prestigious journals such as Nature, Science, and Cell sub-journals, with over 30 papers recognized as ESI Highly Cited Papers and 3 papers ranking in the top 0.1% by citation frequency. His work has been cited more than 26,000 times, and his H-index stands at 86. Dr. Li has been named a Highly Cited Researcher by Clarivate Analytics and is listed among the world's top 2% most-cited scientists.

Jessica Aijia LIU

Professor Jessica Aijia LIU

Department of Neuroscience,
City University of Hong Kong, China

Biography

Jessica Ai-jia Liu is an Assistant Professor in the Department of Neuroscience, College of Biomedicine at City University of Hong Kong(CityU). Her research work is dedicated to unraveling the molecular mechanisms of glial-neuronal interactions in nervous system development, disorders, and repair, with a strong focus on translational medicine. Prof. Liu earned her PhD from the Department of Surgery at the University of Hong Kong (HKU), where she also completed her postdoctoral training in the School of Biomedical Sciences. She was appointed as a Research Assistant Professor in HKU's Department of Anaesthesiology in 2019 before joining CityU in 2022. Her impactful work has been published in leading international journals, including Nature Communications, PNAS, Advanced Science, and Annals of Neurology four filed patents. Prof. Liu's contributions have been recognized with several prestigious awards, such as the Early Career Award and Hong Kong Young Scientist Award. Her work has also garnered media attention, being featured in university press releases and highlighted by local and international outlets.

Zhuang LIU

Professor Zhuang LIU

College of Nano Science & Technology,
Soochow University, China

Biography

Dr. Zhuang Liu is a Changjiang Distinguished professor at Soochow University. Dr. Liu's team is developing biomaterials tools for novel therapies against cancer and other diseases. Dr. Liu has authored over 400 peer-reviewed papers, with a total citation of >100,000 times and an H-index at 175. He has been listed as one of 'Highly Cited Researchers' (Materials, Chemistry) since 2015. He is a Fellow of the Royal Society of Chemistry (FRSC), a Fellow of the American Institute for Medical and Biological Engineering (AIMBE), and a Fellow of the Chinese Chemical Society (FCCS). He has received many awards, including the Xplorer Prize, the CCS-RSC Young Chemist Award, the Biomaterials Science Lectureship, the Periodic Table of Younger Chemists (IUPAC). He has founded a start-up company, InnoBM, which is focused on the development of novel therapeutics for cancer immunotherapy.

Jinyao LIU

Professor Jinyao LIU

The Institute of Molecular Medicine, School of Medicine,
Shanghai Jiao Tong University, China

Biography

Jinyao Liu is a Distinguish Professor at Shanghai Jiao Tong University, China. After received his PhD at Shanghai Jiao Tong University under the supervision of Prof. Deyue Yan in 2013, Jinyao joined Prof. Ashutosh Chilkoti's group at Duke University (04. 2013-08. 2015) and Prof. Robert Langer's laboratory at MIT (09. 2015-03. 2018) as a postdoc associate. He is the Executive Editor of Journal of Nanobiotechnology (Springer Nature, IF=12.6) and Associate Editor of Biotechnology Journal (Wiley, IF=3.2). His current research interests include nanobiotechnology and microbial bioagents. As corresponding author, he has published over 50 papers during the past 5 years, including 3 Nat. Biomed. Eng., 2 Nat. Protoc., Matter, 8 Nat. Commun., 9 Sci. Adv., 2 J. Am. Chem. Soc., 2 Angew. Chem. Int. Ed., 8 Adv. Mater., etc. Jinyao was also awarded numerous prestigious grants and prizes, including the National Science Fund for Distinguished Young Scholars, Young Thousand Talents Program of China, etc.

Joo Min Park

Professor Joo Min Park

Center for Cognition and Sociality,
Institute for Basic Science, Korea

Biography

I am a Research Fellow and Principal Investigator at the Center for Memory and Glioscience (IBS) and Professor at the University of Science and Technology (UST). My research focuses on the fundamental question of how the brain learns, remembers, and adapts, with particular emphasis on neuro–glia interactions and activity-dependent plasticity.

Early in my career, I made influential contributions to synaptic plasticity by uncovering how NMDA receptors, mGluR1/5, and activity-dependent genes such as Arc, Homer1a, and Narp regulate experience-driven synaptic modifications. My work, published in Cell, Nature Neuroscience, Neuron, and Cell Reports, has significantly shaped current understanding of molecular pathways underlying learning, stress vulnerability, addiction, and neurodevelopmental disorders.

In recent years, I established a new research direction centered on acoustic neuromodulation, introducing brainwave-patterned low-intensity ultrasound as a method to induce long-lasting changes in neural circuits. My studies demonstrated that ultrasound can modulate both neurons and astrocytes, enabling physiologically meaningful plasticity without surgical intervention. This work has led to publications in Brain Stimulation (2023), Science Advances (2024), and Nature Communications (2025).

My long-term goal is to create next-generation neuromodulation strategies that harness mechanotransduction and neuron–glia signaling to restore cognitive function, alleviate chronic pain, and treat disorders involving network-level dysregulation. I aim to build an interdisciplinary research program that advances both fundamental neuroscience and translational therapeutic development.

Hanae SATO

Professor Hanae SATO
WPI Nano Life Science Institute,
Kanazawa University, Japan

Biography

Hanae Sato is an RNA biologist whose research focuses on how cells regulate gene expression through mRNA decay, coordinated transcription–translation–decay processes, and RNA condensation. She earned her Ph.D. at the University of Tokyo and expanded her expertise in RNA biology during postdoctoral training at the University of Rochester and Albert Einstein College of Medicine, USA.

Sato uses advanced live-cell single-molecule mRNA imaging to visualize RNA dynamics and degradation in real time. By combining quantitative imaging with biochemical and biophysical approaches, her work reveals how RNAs transition between translation, decay, and condensate-associated states, offering new insights into the spatial and temporal organization of gene expression.

In 2022, she established her laboratory at the Nano Life Science Institute (NanoLSI), Kanazawa University. Her group investigates fundamental RNA regulatory mechanisms and develops RNA-targeted therapeutic strategies, particularly for genetic disorders caused by nonsense mutations.

Through interdisciplinary collaborations integrating imaging, molecular biology, and nano-scale analysis technologies, Sato aims to connect basic mechanistic understanding with therapeutic innovation, advancing a comprehensive view of how RNA regulation shapes cellular physiology and disease.

Hermona SOREQ

Professor Hermona SOREQ
Department of Biological Chemistry,
The Hebrew University of Jerusalem, Israel

Biography

I study neuroscience and molecular biology regulators of nervous system functioning, including microRNAs and transfer RNA fragments (miRs, tRFs), and focusing on acetylcholine-mediated processes and inflammation in health and disease, in women and men and across ages. I developed a tRFs-based early RNA-based blood test diagnosis for Parkinson's disease, and study the multi-leveled mental disease-related cholinergic mechanisms and the anti-cholinergic impact of dementia medications in the elderly. Trained at The Hebrew University of Jerusalem (HUJ), Tel Aviv University, The Weizmann Institute of Science and the Rockefeller University, I joined The Hebrew University as a Faculty member in 1984, hold the endowed University Slesinger Chair in Molecular Neuroscience and am a founding member of the Edmond and Lily Safra Center for Brain Science (ELSC) and the elected President of the International Organization of Cholinergic Mechanisms. I served as the elected Dean of the HUJ Faculty of Science (2005-2008), authored hundreds of publications, including dozens in high-impact journals and won significant awards and funding from US, European and Israeli National foundations (e.g. an Advanced ERC Award and an Israeli I-Core Center of Excellence on mass trauma). I serve at the Board of Governors of The Hebrew University, the Neuro-Cure Center, Berlin, the ImmunoSensation Center, Bonn, the Advisory Boards of the UK-Israel Council, the Luxembourg University's Brain Research Center, and advise the Azrieli fellowships network in Israel. Notably, 29 of my trainees are faculty members in Israel and overseas. Others contribute to government and private biotechnology organizations and companies involved in Life Sciences.

Li WANG

Professor Li WANG

Department of Biomedical Sciences,
City University of Hong Kong, China

Biography

Dr. Li Wang is an Assistant Professor in the Department of Biomedical Sciences at the City University of Hong Kong. Dr. Wang earned his Bachelor's degree in Biological Sciences from Yunnan University (1998–2002) and his Master's degree in Biochemistry and Molecular Biology from the Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences (2003–2006). Dr. Wang completed his Ph.D. in Biomedical Sciences at the Chinese University of Hong Kong (2011–2014), where he also undertook postdoctoral training. His doctoral research focused on metabolic disorders and atherosclerotic cardiovascular diseases.

Dr. Wang's research interests include hemodynamic shear stress and its effects on the endothelium during atherosclerosis, the role of the Hippo signaling pathway in cardiovascular regulation, and the endocrine function of the endothelium in health and disease. He is also dedicated to identifying novel biomarkers for early diagnosis of atherosclerotic vascular disease, as well as discovering new compounds for its prevention and treatment. Additionally, his research explores inter-organ crosstalk and the impacts of physical exercise on cardiovascular health. Dr. Wang has co-authored 66 SCI-indexed publications in prestigious journals, including Nature, Circulation Research, Diabetes, Cardiovascular Research, PNAS, etc. with h-index of 29, Scopus H-index of 26. His groundbreaking research on endothelial Yap signaling in atherogenesis was published in Nature and earned him notable accolades, including the Research Excellence Award from the Chinese University of Hong Kong in 2017 and the Higher Education Outstanding Scientific Research Output Award (First-Class Award) from China's Ministry of Education in 2019.

Majid Ebrahimi WARKIANI

Professor Majid Ebrahimi WARKIANI

School of Biomedical Engineering,
University of Technology Sydney, Australia

Biography

Dr Warkiani is a Professor and CINSW Fellow in the School of Biomedical Engineering, University of Technology Sydney (UTS), Australia. He received his PhD in Bioengineering from Nanyang Technological University (NTU, Singapore), and undertook postdoctoral training at Massachusetts Institute of Technology (MIT, USA). Dr. Warkiani is the co-director of the Institute for Biomedical Materials & Devices (IBMD) at UTS and the co-founder of two startups, NeoGenix Biosciences (https://www.neogenixbiosciences.com/) and SMART MCs (https://smartmcs.com.au/). Dr Warkiani's research focuses on developing innovative cell biology solutions through microfluidics and organoid-on-a-chip systems. His team has pioneered advanced cell sorting technologies for stem cells, exosomes, circulating tumor cells, and fetal cells, enhancing diagnostic precision and advancing regenerative therapies. In organoid-on-a-chip technology, he designs sophisticated 3D platforms that replicate tissue functions, such as human skin, offering valuable insights into disease modeming and drug discovery with stem cell-derived exosomes.

Group webpage: www.warkianilab.com

Aiguo WU

Professor Aiguo WU

Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences, China

Biography

Professor Wu is performing his research at the interface of materials and biomedicine for creation of new magnetic and optical nanoprobes and multi-modal imaging technologies, conducting the research on tumor boundary recognition and mechanism analysis, and pioneering the field of boundarics in biomedicine. Professor Wu has published over 300 peer-reviewed articles (h-index 79), that were cited more than 25,000 times (Google Scholar) and 6 books. His research has also led to 151 awarded patents, with a variety of commercial applications. He has had the pleasure of supervising more than 36 PhD students who have received their doctoral degree, and 32 postdoctors. Professor Wu, is currently a fellow of FRSC (UK), FRSB (UK) and FBSE from the International Union of Societies for Biomaterials Science and Engineering (IUSBSE) and fellow of FCSBM (China), Chair Professor of Bio-/Nano-Materials, Ningbo Institute of Materials Technology and Engineering, Chinese Academy of Sciences (CAS)and Director of Ningbo Cixi Institute of Biomedical Engineering.

Xi XIE

Professor Xi XIE

School of Electronics and Information Technology (School of Microelectronics),
Sun Yat-Sen University, China

Biography

Prof. Xi Xie is currently a full professor in the School of Electronics and Information Technology at Sun Yat-sen University, and was awarded by the National Science Fund for Distinguished Young Scholars (国家杰青). He is also an adjunct professor in the First Affiliated Hospital of Sun Yat-sen University. He graduated from Stanford University in USA with PhD degree on 2014, and then worked as a postdoc researcher in the Prof. Robert Langer's lab at Massachusetts Institute of Technology. On 2016, he started his own research lab at Sun Yat-sen University. Prof. Xi Xie has been focusing on the research on minimally invasive biosensing technologies. In specific, he has been working on microneedles or nanoneedles technologies for detection of biological information in vivo or even inside cells. He has published >100 manuscripts. As corresponding author, >100 manuscripts have been published on journals including Nature Materials (2025), Nature Sensors (2026), Nature Biomedical Engineering, Nature Nanotechnology, Nature Protocols, Nature Communications, Science Advances and et al. He has applied for >100 patents. He was also awarded by "MIT Technology Reviews Innovators Under 35 China", the "Outstanding Scientific Award of Chinese Institute of Electronics", and the "Microsystems & Nanoengineering Summit 2019 Young Scientist Award". He serves as Associate editor in Microsystems & Nanoengineering (Nature Publishing Group, JCR Q1) and Bio-designs and Manufacturing (JCR Q1).

Feng XU

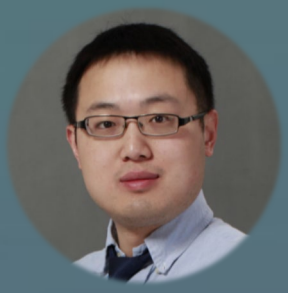
Professor Feng XU

School of Life Science and Technology,
Xi'an Jiaotong University, China

Biography

Dr. Feng Xu received his bachelor degree in both Thermal Energy and Power Engineering and Industrial Engineering in 2001, master degree in Thermal Energy Engineering in 2004, all from Xi'an Jiaotong University, and his Ph.D. in Engineering from the University of Cambridge in 2008. Subsequently, he worked as a research fellow at Harvard Medical School and Harvard-MIT Health Science & Technology (HST) from 2008 to 2011. In 2011, he founded the Bioinspired Engineering & Biomechanics Center (BEBC) at Xi'an Jiaotong University, where he currently holds the positions of full professor, Dean of the School of Life Science and Technology, and Director of The Key Laboratory of Biomedical Information Engineering of Ministry of Education.

Hao YIN



Professor Hao YIN

Medical Research Institute,
Wuhan University, China

Biography

Hao Yin is a Hongyi Distinguished Professor at the Medical Research Institute of Wuhan University. He earned his bachelor's degree from Nanjing University and his PhD from the University of Colorado Anschutz Medical Campus. He completed his postdoctoral training in the laboratory of Robert Langer and Daniel Anderson at the Massachusetts Institute of Technology and then as a researcher at Vertex Pharmaceuticals. Since 2018, he has established and led a research lab at Wuhan University. His research focuses on developing genome editing tools and their biomedical applications. Dr Yin has published over 50 research articles including Cell, Nature Biotechnology and Nature Methods. His research has been featured by major international media and highlighted in commentary articles in Nature series journals.

Xinge YU

Professor Xinge YU

Department of Biomedical Engineering,
City University of Hong Kong, China

Biography

Xinge Yu is a Professor of Biomedical Engineering at City University of Hong (CityU), the Member of the Hong Kong Young Academy of Sciences, Young Member of Hong Kong Academy of Engineering. He is the Associate Director of Institute of Digital Medicine at CityU, Associate Director of Hong Kong Centre for Cerebro-cardiovascular Health Engineering. Prof Yu is the recipient of NSFC Distinguished Young Scientist Grant (Scheme A), RGC Research Fellow, NSFC Excellent Young Scientist Grant (Hong Kong & Macao), Innovators under 35 China (MIT Technology Review), New Innovator of IEEE NanoMed, MINE Young Scientist Award, Stanford's top 2% most highly cited scientists etc. Prof. Yu is the Associate Editor of Science Advances, Microsystem & NanoEngineering, Bio-Design and Manufacturing etc. Xinge Yu's research group is focusing on skin-integrated electronics and systems for VR and biomedical applications. He has published 200 papers in Nature, Nature Materials, Nature Biomedical Engineering, Nature Machine Intelligence, Nature Communications, Science Advances etc., and 50 patents filed/granted.

Ziyi YU

Professor Ziyi YU

College of Chemical Engineering,
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Biography

Ziyi Yu is a Professor of Chemical Engineering and the Deputy Director of the State Key Laboratory of Materials-Oriented Chemical Engineering at Nanjing Tech University. He is a recipient of the National Science Fund for Excellent Young Scholars, Principal Investigator of key projects in the National Key R&D Program and a Jiangsu Distinguished Professor. His research focuses on materials synthetic biology and microfluidic technologies, with an emphasis on engineering living materials through the integration of microorganisms and polymer systems. Prof. Yu's contributions have been recognized with numerous honors, including the Second Prize of the Higher Education Outstanding Scientific Research Achievement Award (Natural Science), the Second Prize of the China Invention Association Innovation Award, and the Jiangsu Science and Technology Third Prize.

Jiachen ZHANG

Professor Jiachen ZHANG

Department of Biomedical Engineering,
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Biography

Dr. Jiachen Zhang is an Assistant Professor with the department of Biomedical Engineering at the City University of Hong Kong since 2021. He graduated with a Ph.D. degree from University of Toronto in 2018. After graduation, Dr. Zhang worked from 20192021 as a Humboldt Research Fellow at Max Planck Institute for Intelligent Systems, Germany. Dr. Zhang's research focuses on the development of millimeter- and micrometer-scale robotic systems for biomedical applications. He utilizes magnetic field as the primary actuation and control signal for multi-functional small-scale robots. Dr. Zhang envisions that small-scale robots are ideal candidates to meet the demands posed by modern healthcare in its evolution to minimize invasiveness.