ZJE 浙江大学爱丁堡大学联合学院
ZJU-UoE INSTITUTE

NEWSLETTER
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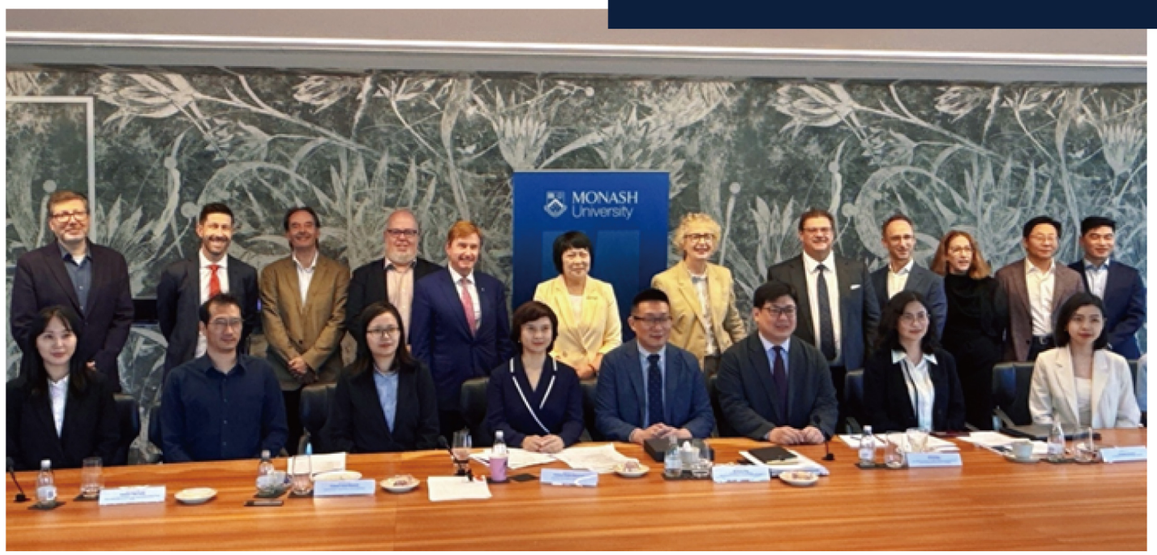

Highlight

ZJE代表团出访新西兰、澳大利亚
ZJE delegation visits New Zealand, Australia

2025年3月12日至17日， ZJE代表团与医学院、基础医学院、附属医院组成访问团，共同出访奥克兰大学、莫纳什大学和昆士兰大学，同时在墨尔本和布里斯班举办浙江大学医学专场海外中国学者见面会，吸引近百名学者参会交流。

From 12 to 17 March 2025, ZJE, together with Zhejiang University School of Medicine, School of Basic Medical Sciences and Affiliated Hospitals, visited the University of Auckland, Monash University and the University of Queensland, and at the same time hosted overseas Chinese scholars' meetings in Melbourne and Brisbane.

Brief

ZJE举办2024年工作总结会与学术年会
ZJE 2024 Annual Review and Academic Conference

2025年1月2日，ZJE于海宁国际校区圆正酒店召开2024年工作总结会暨2025年迎新年联欢会。ZJE院长柯越海教授系统回顾了学院2024年工作成果，并展望新一年发展蓝图。会上特别设立表彰环节，为服务学院满五年的教职工授予“五年贡献奖”，同时对2024年度招生工作中表现突出的优秀团队及个人予以嘉奖。

2025年1月11日，ZJE再度于紫金港校区圆正启真酒店隆重举行2024学术年会，主题为“生物医学交叉未来”。来自ZJE、浙江大学基础医学院及英国爱丁堡大学的专家学者齐聚一堂，总结年度科研进展并探讨学科前沿议题。柯越海教授致开幕辞，刘琬璐、洪智及Alessandro Bonfini研究员分别主持专题报告环节，推动跨领域深度对话。

On January 2, 2025, ZJE held 2024 Annual Review Conference and 2025 New Year Celebration at Yuanzheng Hotel, Haining International Campus. Professor Yuehai Ke, Dean of ZJE reviewed the achievements in 2024 and outlined strategic priorities for the upcoming year. An awards ceremony honored faculty members with the Five-Year Contribution Award for their contributions, and recognized the Advanced Team and Advance.

On January 11, 2025, ZJE organized the 2024 Academic Annual Conference with the theme of "Biomedical Crossover and Future", at Yuancheng Qizhen Hotel, Zijingang Campus. Esteemed scholars from ZJE, Zhejiang University School of Basic Medicine, and the University of Edinburgh convened to review annual research progress and explore cutting-edge scientific challenges. Professor Yuehai Ke delivered the opening address, while Assistant Professors Wanlu Liu, Zhi Hong, and Alessandro Bonfini chaired specialized presentation sessions, fostering interdisciplinary exchanges.

Brief

ZJE师生前往爱丁堡大学参加winter school
ZJE Winter school to University of Edinburgh

2025年1月11日至19日， ZJE的15位师生跨越八千公里，参加了为期9天的爱丁堡冬令营（Winter School）活动，深入探访了爱丁堡、格拉斯哥、邓迪和圣安德鲁斯四座城市的知名高校。

From January 11 to 19, 2025, fifteen students and faculty members from ZJE participated in a 9-day Winter School program at the University of Edinburgh. During this academic expedition, they visited renowned universities across four Scottish cities: Edinburgh, Glasgow, Dundee, and St Andrews.

ZJE接待香港大学李嘉诚医学院师生访问
ZJE received a visit from students and faculty of The University of Hong Kong Li Ka Shing Faculty of Medicine.

2025年3月9日至16日，香港大学李嘉诚医学院师生一行18人赴ZJE参加内地与港澳高等学校师生交流计划项目。ZJE院长柯越海，执行院长Sue Welburn，副院长叶治国、徐素宏等出席系列交流活动。

From 9 to 16 March 2025, a group of 18 faculty members and students from The University of Hong Kong Li Ka Shing Faculty of Medicine visited ZJE to participate in the Mainland, Hong Kong and Macao Higher Education Teacher-Student Exchange Programme project. ZJE Dean Yuehai Ke, Executive Dean Sue Welburn, Vice Deans Zhiguo Ye and Suhong Xu attended the series of activities.

Research

Biomed-X Seminar Series

- 2025.03.05
  Suling Liu
  Institute of Biomedical Sciences, Fudan University
  Topic: Breast cancer stem cells promote breast cancer drug-resistance and metastasis
- 2025.03.19
  Dónal O'Carroll
  Centre for Regenerative Medicine, Wellcome Centre for Cell Biology, University of Edinburgh
  Topic: Safeguarding germline immortality
- 2025.03.19
  Ramesh Pillai
  Department of Molecular and Cellular Biology, University of Geneva
  Topic: RNA modifications in gene regulation
- 2025.03.28
  Eric O'Neill
  Department of Oncology, University of Oxford
  Topic: Translational Research on Pancreatic cancer
- 2025.03.28
  Shisong Jiang
  Department of Oncology, University of Oxford
  Topic: Vaccine-Based Cancer Immunotherapy

Part of Publications

作者 Authors	论文标题 Title	杂志名称 Journal
Husein Bagulo, Ayodele O Majekodunmi, **Susan C Welburn,** Langbong Bimi	The burden of hepatitis E virus infection among Ghanaian pregnant women	Frontiers in public health
Huiwen Cao, Cheng Qiu, Anxuan Fang, Jianzhou Shang, Wei Xu, Lugeng He, Xing Duan, **Qianting Zhang,** Chao Yu	Extensive homologous recombination safeguards oocyte genome integrity in mammals	Nucleic acids research
Warren T Yacawych, Yi Wang, **Guoxiang Zhou,** Shad Hassan, Stace Kernodle, Frederike Sass, Martin DeVaux, Iris Wu, Alan Rupp, Abigail J Tomlinson, **Zitian Lin,** Anna Secher, Kirsten Raun, Tune Pers, Randy J Seeley, Martin Myers, **Weiwei Qiu**	A single dorsal vagal complex circuit mediates the aversive and anorectic responses to GLP1R agonists	bioRxiv: the preprint server for biology
Cheng Zeng, **Shiyuan Hua, Jiayu Zhou,** Tangye Zeng, Jianke Chen, Lijian Su, Angfeng Jiang, **Min Zhou,** Zhe Tang	Oral Microalgae-Based Biosystem to Enhance Irreversible Electroporation Immunotherapy in Hepatocellular Carcinoma	Advanced science (Weinheim, Baden-Wurttemberg, Germany)
Wenyan Zhou, Junxin Lin, Qianchun Wang, Xianliu Wang, Xudong Yao, **Yiyang Yan, Wei Sun,** Qiuwen Zhu, Xiaoan Zhang, Xiaozhao Wang,	Chromatin-site-specific accessibility: A microtopography-regulated door into the stem cell fate	Cell reports
Wenyue Li, Xiaozhao Wang, Renwei Mao, Dong Li, **Hongxu Meng, Ru Zhang,** Jinghua Fang, Zhengzhong Kang, **Boxuan Wu, Weiwei Ma,** Xudong Yao, **Chang Xie, Rui Li,** Jin Wang, **Xiao Chen, Xihao Pan,** Weiqiu Chen, Wangping Duan, Huajian Gao, **Hongwei Ouyang**	A tough soft-hard interface in the human knee joint driven by multiscale toughening mechanisms	Proceedings of the National Academy of Sciences of the United States of America
Ariadna E. Morales, **Yue Dong,** Thomas Brown, Kaushal Baid, Dimitrios - Georgios Kontopoulos, Victoria Gonzalez, Zixia Huang, Alexis-Walid Ahmed, Arkadeb Bhuinya, Leon Hilgers, Sylke Winkler, Graham Hughes, **Xiaomeng Li, Ping Lu, Yixin Yang,** Bogdan M. Kirilenko, Paolo Devanna, Tanya M. Lama, Yomiran Nissan, Martin Pippel, Liliana M. Dávalos, Sonja C. Vernes, Sebastien J. Puechmaille, Stephen J. Rossiter, Yossi Yovel, Joseph B. Prescott, Andreas Kurth, David A. Ray, Burton K. Lim, Eugene Myers, Emma C. Teeling, Arinjay Banerjee, **Aaron T. Irving,** Michael Hiller	Bat genomes illuminate adaptations to viral tolerance and disease resistance	Nature
Ziyu Zhou, Lingling Tong, Yunbing Chen, Ruoming Wang, Yu Shen, Di Chen	Dual-Selection Strategy for Generating Knock-Out Lines of Human Embryonic Stem Cells	Journal of cellular and molecular medicine
Xianzhe Huang, Wenwei Chen, Yanyan Wang, Dmytro Shytikov, Yanwen Wang, Wangyi Zhu, Ruyi Chen, Yuwei He, Yanjia Yang, Wei Guo	Canonical and noncanonical NOTCH signaling in the nongenetic resistance of cancer: distinct and concerted control	Frontiers of medicine
Yanbin Ma, Yuxin Liu, Man Xu, Xinhuan Yin, **Chenyu Hu,** Xiaohang Yang	Drosophila modeling to identify causative genes and reveal the underlying molecular mechanisms for primary ovarian insufficiency	Journal of molecular medicine (Berlin, Germany)
Yawen Huang, Jun Wang, Na Liu, Han Xu	Zona Incerta: A Bridge for Infant-Mother Interaction	Neuroscience bulletin
Jiasheng Wang, Peng Guo, Dongmei Wu, Junzhi Yi, Qi Jiang, Jiajie Hu, **Hongwei Ouyang**	Rejuvenating Hyaline Cartilage with Senescence-Targeting Si-ADAM19 Delivery for Osteoarthritis Therapy	Advanced science (Weinheim, Baden-Wurttemberg, Germany)
Zengzhuang Yuan, Xinyan Han, Manyu Xiao, Taoyu Zhu, Yaping Xu, Qian Tang, Chen Lian, Zijin Wang, Junming Li, Boyu Wang, Changhui Li, Xiaochen Xiang, Ruobai Jin, Yufei Liu, Xinyu Yu, Kehang Zhang, Songsong Li, Madhumita Ray, Rong Li, Artiom Gruzdev, Shiqun Shao, Fangwei Shao, Hua Wang, Lian Wang, Yong Tang, **Di Chen,** Ying Lei, Xuru Jin, Qinglin Li, Weiwen Long, Huaqiong Huang, Francesco J DeMayo, **Jian Liu**	Correction: Overexpression of ELF3 in the PTEN-deficient lung epithelium promotes lung cancer development by inhibiting ferroptosis	Cell death & disease
Yiheng Lan, Zhen Xia, **Qizhe Shao,** Peng Lin, Jinhong Lu, **Xiaoying Xiao,** Mengyue Zheng, **Di Chen,** Yanmei Dou	Synonymous mutations promote tumorigenesis by disrupting m6A-dependent mRNA metabolism	Cell
Huiqun Hu, **Shiyuan Hua,** Feng Lu, Wenting Zhang, Zengwen Zhang, **Jiarong Cui,** Xiaoyue Lei, Jingyan Xia, Feng Xu, **Min Zhou**	Mucous Permeable Nanoparticle for Inducing Cuproptosis-Like Death In Broad-Spectrum Bacteria for Nebulized Treatment of Acute Pneumonia	Advanced science (Weinheim, Baden-Wurttemberg, Germany)
Wei Sun, Hongwei Wu, **Yiyang Yan,** Xianzhu Zhang, Xudong Yao, Rui Li, **Jingyi Zuo, Wenyue Li, Hongwei Ouyang**	Living joint prosthesis with in-situ tissue engineering for real-time and long-term osteoarticular reconstruction	Bioactive materials
Feng Liang, Yixin Zheng, Chenchen Zhao, **Lele Li,** Yunqi Hu, Chenfeng Wang, Ruoxi Wang, Ting Feng, Xiaoyang Liu, Jiarong Cui, Danni Zhong, **Min Zhou**	Microalgae-Derived Extracellular Vesicles Synergize with Herbal Hydrogel for Energy Homeostasis in Osteoarthritis Treatment	ACS Nano
Xuejiao Li, Shiyuan Hua, Danni Zhong, **Min Zhou,** Zhongxiang Ding	Metal-organic framework-edaravone nanoparticles for radiotherapy-induced brain injury treatment	Biomaterials
Zitian Lin, Yunxin Xuan, Yingshi Zhang, Qirui Zhou, Weiwei Qiu	Hypothalamus and brainstem circuits in the regulation of glucose homeostasis	American journal of physiology
Xuri Chen, Yunting Zhou, Wenyu Yao, Chenlu Gao, Zhuomin Sha, Junzhi Yi, Jiasheng Wang, Xindi Liu, Chenjie Dai, Yi Zhang, Zhonglin Wu, Xudong Yao, Jing Zhou, Hua Liu, **Yishan Chen, Hongwei Ouyang**	Organelle-tuning condition robustly fabricates energetic mitochondria for cartilage regeneration	Bone research
Honglin Yu, Ziqi Wang, Jiayue Ma, Ruoming Wang, Shuo Yao, Zhaoyu Gu, Kexin Lin, Jinlan Li, **Robert S Young,** Ya Yu, **You Yu,** Min Jin, **Di Chen**	The establishment and regulation of human germ cell lineage	Stem cell research & therapy
Kaiyue Wang, **Danni Zhong,** Lingxiao Yang, Cheng Zeng, Qitao Hu, **Min Zhou,** Zhe Tang	Microalgae-based biodegradable embolic agent for the treatment of hepatocellular carcinoma through transarterial embolization	Journal of nanobiotechnology
Ruoxi Wang, **Zhouyue Wang, Min Zhang,** Danni Zhong, **Min Zhou**	Application of photosensitive microalgae in targeted tumor therapy	Advanced drug delivery reviews
Jia Dong, Yutong Lang, Jian He, Jiarong Cui, Xiaoyang Liu, **Hongxia Yuan, Lele Li, Min Zhou,** Shoujie Wang	Phycocyanin-based multifunctional microspheres for treatment of infected radiation-induced skin injury	Biomaterials

Voice from ZJEers

于 游
You Yu
助理教授
Assistant Professor

"Exploring things to acquire knowledge, and integrating knowledge with action." Every progress in science and technology implies the expansion of human perception. The rich and colorful macroscopic life world is the exquisite manifestation of the underlying life code at the microscopic level. I expect to work with my classmates and colleagues, relying on cutting-edge biophysical methods, integrating the big data deep learning technology of artificial intelligence, to explore the structure and function of biomolecules, enhance the understanding and cognition of the essence of life, and promote the expansion of the scope of biomedical knowledge and the potential clinical transformation of research objects.

Since joining ZJE in 2024, I have received enthusiastic assistance from teachers and classmates, and at the same time, I have deeply experienced the scientific research enthusiasm of teachers and classmates and the strong and professional academic atmosphere. During my work at the Memorial Sloan Kettering Cancer Center in the United States, my research focused on the structural and functional study of the genome stability maintenance complex. At ZJE, I will continue to carry out related work. ZJE has provided me with a stage to realize my scientific research dream, and I feel deeply honored for this. Moreover, here I have met many like-minded and talented professor colleagues, and their encouragement and support have had a profound impact on me. The young, energetic and positive classmates in ZJE have also left a deep impression on me. As a member of the ZJE family, I will adhere to the school motto of "Seeking Truth, Pursuing Innovation", and work hand in hand with the teachers and students of the whole hospital to live up to the prime of life and jointly create a bright future.

"格物致知，知行合一"，科学技术的每一次前行，都意味着人类感知的拓展。宏观生命世界的缤纷多彩，乃是微观层面底层生命密码的精妙呈现。我期望能与同学们和同仁们一道，凭借前沿的生物物理学方法，融合人工智能的大数据深度学习技术，探究生物分子的结构与功能，增进对生命本质的理解与认知，推动生物医学知识范畴的拓展以及研究对象向潜在临床应用的转化。

自 2024 年加入 ZJE 以来，我得到了老师和同学们的热忱相助，同时也深切领略到老师和同学们的科研热情以及浓厚专业的学术氛围。在我于美国斯隆凯特琳癌症中心工作期间，我的科研重点聚焦在基因组稳定性维持复合物的结构与功能研究方面，在 ZJE，我会继续开展相关工作。ZJE 为我提供了一个实现科研梦想的舞台，对此我深感荣幸。而且，在这里我结识了众多志同道合、才华横溢的教授同仁，他们给予我的鼓励与支持对我产生了深远的影响。ZJE 那些年轻朝气、积极向上的同学们也给我留下了深刻的印象。作为 ZJE 大家庭的一员，我将秉持"求是创新"的校训，与全院师生携手共进，不负韶华，共同铸就美好未来。

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