

2024 年报

ANNUAL REPORT



ZJE

浙江大学爱丁堡大学联合学院
ZJU-UoE INSTITUTE

ZJE 浙江大学爱丁堡大学联合学院 ZJU-UoE INSTITUTE



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ABOUT US

学院概况



浙江大学爱丁堡大学联合学院（Zhejiang University-University of Edinburgh Institute, ZJE）是浙江大学和英国爱丁堡大学合作设立的非独立法人中外合作办学机构。学院扎根中国大地，融合东西方教育理念，依托学校多学科综合性优势，面向未来开展生命健康领域前沿基础研究，实施疾病诊疗的尖端科技研发，以“全人培养，全球浸染、全链实践”为理念培养医学复合型拔尖创新人才。

学院汇聚国际一流师资，设有生物医学、生物信息学双学位本科专业2个，浙大单学位及爱大单学位硕、博士研究生，浙大爱大双学位博士研究生等研究生项目5个。截止2024年12月，学院在册本科生576人（含国际留学生9人），研究生224人（含国际留学生10人）。



The Zhejiang University-University of Edinburgh Institute (ZJE) is a collaboration in the field of Biomedical Sciences between Zhejiang University in China and The University of Edinburgh in Scotland, United Kingdom. ZJE takes root in China, integrates Eastern and Western educational concepts, relies on the comprehensive advantages of multiple disciplines, carries out cutting-edge basic research in the field of life and health in the future, implements research and development of cutting-edge technologies in disease diagnosis and treatment, and cultivates top-notch innovative medical compound talents with the concept of "whole-person cultivation, global immersion and whole-chain practice."

ZJE brings together world-class faculty, has two dual-degree undergraduate programmes of biomedical science and biomedical informatics, five postgraduate programmes. Upon December 2024, there are 576 undergraduates (including 9 international students) and 224 Postgraduate students (including 10 international students).

领导 Leadership



浙江大学爱丁堡大学联合学院院长 | 浙江大学医学院
副院长 | 浙江大学医学院病理与病理生理学系教授 |
浙江大学求是特聘教授 | 博士生导师

Dean of ZJE, Vice Dean of Zhejiang University School of Medicine, Professor of Department
of Pathology and Pathophysiology, Zhejiang University

全面主持学院各项工作
负责学院发展战略和规划，学科建设，人才引进，财务，空间资源管理，安全稳定等方面工作

Responsibilities: ZJE overall operation, ZJE strategy and development, ZJE safety management, faculty recruitment and career
development, financial management, space resource allocation, development of discipline.

柯越海 | YUEHAI
KE

SUE WELBURN

浙江大学爱丁堡大学联合学院执行院长 | 爱丁堡大学
全球健康研究所所长 | 博士生导师

Executive Dean of ZJE, Professor of pathogen microbiology, Assistant Principal for Global
Health of University of Edinburgh, Vice Principal for Global Access of University of Edinburgh



负责学院日常工作

负责与爱丁堡大学的合作协调，本科生、研究生教育教学，科研管理（含公共平台和实验动物中心），国际合
作科研与技术转化，发展联络等工作

Responsibilities: ZJE strategy and development, financial management, faculty recruitment and annual assessment, undergraduate and postgraduate
programmes, research affairs and collaboration (including core facility and LAC management), alumni network.



浙江大学爱丁堡大学联合学院副院长
Vice Dean of ZJE

主持学院党务工作

负责组织、干部，学生事务，本科生招生，宣传，行政团队管理等方面工作；协助分管财务，空间
资源管理等工作

Responsibilities: Party affairs and administration of ZJE, student affairs management, assisting in budget management,
space allocation and undergraduate recruitment.

叶治国 | ZHIGUO
YE

徐素宏 | SUHONG
XU

浙江大学爱丁堡大学联合学院副院长 |
浙江大学“百人计划”研究员 | 博士生导师

Vice Dean of ZJE, Principle Investigator of Zhejiang University
Responsibilities: local collaboration and research strategy plan, academic and innovative ecosystem,
assisting in faculty recruitment and career development, international medical centre initiatives.

负责区域合作与基地规划、学术组织与创新生态、协助分管师资招募与人才培育、国际医学中心筹建

Responsibilities: local collaboration and research strategy plan, academic and innovative ecosystem, assisting in faculty recruitment and
career development, international medical centre initiatives.



Mikael Bjorklund

ZJE院长助理，副教授，研究
员，博士生导师

协助外籍师资引育、双学位博士
项目、爱丁堡大学单学位研究生
项目管理等工作。

Assistant Dean of ZJE, Associate Professor
Responsibilities: assisting in international
faculty recruitment and career development;
dual PhD programme; UoE single
postgraduate programmes.



周婕 Jie Zhou

ZJE院长助理，综合办主任

协助双学位博士项目、浙江大学
单学位研究生项目管理等工作。

Assistant Dean of ZJE, Head of ZJE Administration
Office
Responsibilities: assisting in dual PhD programme;
ZJU single postgraduate programmes.



刘琬璐 Wanlu Liu

ZJE院长助理，助理教授，研究
员，博士生导师

协助科研管理等工作。

Assistant Dean of ZJE, Assistant Professor
Responsibilities: assisting in research affairs.



陈迪 Di Chen

ZJE院长助理，助理教授、研究
员、博士生导师

协助本科生教育教学等工作。

Assistant Dean of ZJE, Assistant Professor
Responsibilities: assisting in undergraduate
programme and undergraduate teaching
affair.

ACADEMIC TEAM

人才队伍

学院按照浙江大学和爱丁堡大学
标准建设一流师资队伍，现有

全职师资
Full-time Faculty

5人 国家级人才
National-level Talents

8人 省部级人才
Provincial-level Talents

31人

11人 浙江大学
兼聘师资
Adjunct Faculty of ZJU

14人 爱丁堡大学
兼聘师资
Adjunct Faculty of UoE

国家级人才包括国家高层次人才特殊支持计划科技创新领军人才1人、“长江奖励计划”青年人才1人、国家自然科学基金优秀青年科学基金项目（海外）1人、国家自然科学基金外国优秀青年学者研究基金项目2人。资深教师比例的上升将起到传帮带作用，促进团队青年教师共同成长。在引进全职人才的同时，学院进一步丰富柔性引才手段，推进兼任教师队伍发展，现有爱丁堡大学兼聘师资14人，浙江大学兼聘师资11人，

外籍教师占比60%，不仅为学院人才培养提供保障，也为促进科研交叉、校企合作以及构建国际战略合作渠道提供了助力。

此外，学院还引进全球杰出教席师资1人，助力学校汇聚国际顶级教学资源，大力培养拔尖创新人才，快速提升教师教育教学能力。

Guided by the high standards of Zhejiang University and the University of Edinburgh, ZJE aims to build a world-class faculty team. There are 31 full-time faculty members, among whom 5 are national-level talents, accounting for 16%, and 8 are provincial-level talents, representing 26%. The increase in senior faculty members plays an important role in mentoring and supporting the growth of young scholars within the team

Moreover, ZJE works closely with its adjunct faculty teams from the Deanery of Biomedical Sciences, University of Edinburgh and the Zhejiang University School of Medicine, to ensure high quality of teaching programmes, and facilitate research exchange and international collaboration. Additionally, ZJE secured a position in the University's first round of Global Distinguished Educator Programme this year, which helps with gathering of top-tier international educational resources, cultivation of outstanding innovative talents, and enhancement of faculty's educational capabilities.

新进师资

ZJE NEW
FACULTY MEMBERS

You Yu 于游

研究员
Assistant Professor

研究领域：结构生物学
Research Field: Structural Biology



Heng-Jia Liu

研究员
Assistant Professor



研究领域：肿瘤微环境与免疫治疗
Research Field: Tumor microenvironment
and Immunotherapy

Hugo Carlos
Samano Sanchez

研究员
Assistant Professor

研究领域：计算机生物学
Research Field: Computational Biology



浙江大学爱丁堡大学联合学院

ZJU-UoE INSTITUTE

ZHEJIANG UNIVERSITY-UNIVERSITY OF EDINBURGH JOINT INSTITUTE

01 本科生培养 Undergraduate

02 研究生教育 Postgraduate

UNIVERSITY OF
GHANSA



EDUCATION
教育教学



UNDERGRADUATE

本科生培养



学院积极探索本科教学管理模式的升级，持续规范教学实施计划和教学质量监控体系，结合科研训练，培养自主学习，协同学生工作完善学业帮扶；各类教学例会实时把控教学进程，全方位、多维度，稳步提高教学质量。

2024年度共运行2023-24学年春夏学期及2024-25学年秋冬学期合计本科4年级31门专业课程；参讲师资包括ZJE32人、UoE11人、ZJU95人及ZJUI3人，合计141人。

根据毕业生和学生教师联席会反馈，将生物信息学培养方案和专业课程内容优化立项为本年度中层领导干部主题教育调研课题。学院与合作方教学团队积极协商，将2023级新生的教学内容提升优化，并于同年九月实施，侧重生物统计学并添加了线性代数等内容。高年级选修课和内容模块变动将于2024-2025学年实施。

学院顺利完成第九届本科生录取工作并取得好成绩。招生人数达新高，接近教育部批准满额指标。通过单列招生和综合评价模式，共在浙江、河北、广东和山东等15个省市录取145名中国籍学生，报到143人。另有国际生3人，2人来自于马来西亚，1人来自印度尼西亚。

ZJE actively explored the undergraduate teaching management and consolidated the responsibility of course delivery, optimized the teaching quality assurance system, constantly revised the relevant teaching regulations, and achieved satisfactory results.

招生

01 Enrollment

In 2024, 31 courses were running in the spring-summer semester of the 2023-24 academic year and the autumn-winter semester of the 2024-25 academic year. There are 141 participating instructors, including 32 from ZJE, 11 from UoE, 95 from other schools of main campus and 3 from ZJUI.

One of the 2023 key works of undergraduate programme is to adjust Biomedical Informatics curriculum according to feedback from SSLC and graduates. From September 2023, the mathematics teaching content was added more linear algebra and statistics. The senior elective courses and content modules will be modified by 2024-2025 academic year.

ZJE successfully completed the recruitment of the ninth cohort of undergraduate students and achieved an overall improvement. A total of 148 students were recruited from 15 Chinese provinces and overseas, of whom 143 registered, 3 international students from Malaysia (2) and Indonesia (1).

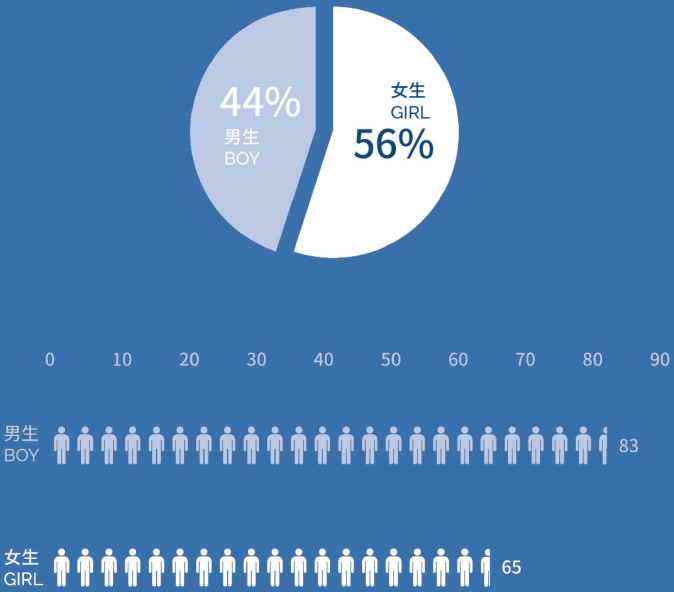
新生省份结构

Provincial structure of new students

PROVINCE 省份	NUMBER 人数
浙江	60
广东	11
山东	11
上海	3
江苏	7
河北	9
安徽	5
福建	5
湖南	6
河南	5
辽宁	4
吉林	5
江西	4
四川	5
湖北	3

新生性别结构

Gender structure of students



毕业

02 Graduate

2024年毕业本科生112人，其中生物医学专业82人（含2名留学生和3名临床医学八年制生），生物信息学专业30人。所有毕业生均顺利获得浙江大学和爱丁堡大学两校学位，其中获得爱丁堡大学荣誉一等学士学位14人，荣誉二等一学位77人，荣誉二等二学位20人。毕业深造率91.8%（海外：国内=1.24:1），奖学金博士录取率19.6%，TOP20世界名校（QS2024）录取率52.5%。

In 2024, there were 112 undergraduate graduates, including 82 in Biomedical Science (comprising 2 international students and 3 students in the 8-year Clinical Medicine program), and 30 in Biomedical informatics. All graduates successfully obtained degrees from both Zhejiang University and the University of Edinburgh. Among them, 14 received a First Class Honour Bachelor's Degree from the University of Edinburgh, 77 received a Second Class Honour Bachelor's Degree. The further education rate was 91.8% (overseas: domestic = 1.24:1), the scholarship-awarded PhD admission rate was 19.6%, and the admission rate to top 20 world universities (QS 2024) was 52.5%.

毕业深造率
Further Studies

91.8%

TOP20
(QS2024录取率)

52.5%

科研训练

03

Research Training

部分发表文章

04

Publication list

姓名 Name	论文标题 Title	杂志名称 Journal
Yu Xinyu	Neutrophils in cancer: dual roles through intercellular interactions	Oncogene
Chen Yunbing	Reading the M6A-Encoded Epitranscriptomic Information in Development and Diseases	Cell & Bioscience
Zhou Ziyu	Reading the M6A-Encoded Epitranscriptomic Information in Development and Diseases	Cell & Bioscience
Chen Yanxi	Reading the M6A-Encoded Epitranscriptomic Information in Development and Diseases	Cell & Bioscience
Lin Haikun	Synthetic Cells and Molecules in Cellular Immunotherapy	International Journal of Biological Sciences
Wu Boxiang	Synthetic Cells and Molecules in Cellular Immunotherapy	International Journal of Biological Sciences
Xu Jiayang	Raman Flow Cytometry and Its Biomedical Applications	Biosensors
Xu Jiayang	基于负集加权迭代修正最小二乘拟合原理的快速自适应拉曼光谱基线校正算法	光谱学和光谱分析
Cao Ziyu	RNA选择性剪接异常在三阴性乳腺癌中的作用	中南大学学报(医学版)
Yuan Sheng	Revolutionizing Drug Discovery: The Impact of Distinct Designs and Biosensor Integration in Microfluidics-Based Organ-on-a-Chip Technology	Biosensors
Liu Jianche	Decoding leukemia at the single-cell level: clonal architecture, classification, microenvironment, and drug resistance	Experimental Hematology & Oncology
Chen Shengbo	Microglia Suppresses Breast Cancer Brain Metastasis via a Pro-inflammatory Response	Neuroscience Bulletin

学院本科生年度以第一作者发表论文12篇，以共同作者参与发表10篇。32组78名学生完成第七期SRTP科研训练项目自主选题并顺利通过开题答辩，获得国家级立项4项，省级立项2项，校级立项10项，院级立项16项，共获学校与学院相关部门经费资助9.22万元。

This year, ZJE undergraduates published a total of 12 papers as the first author, another 10 papers were published as co-authors.

In 2024 ZJU SRTP (Student Research Training Program), ZJE students obtained 4 national level projects, 2 provincial level projects, 10 ZJU-level projects, 16 ZJE level projects and obtained 92,200 yuan of research funds issued by ZJU.



荣誉

05

Honour

2023-2024学年我院本科学生共获得

国家奖学金

15人

浙江大学奖学金

143人

【一等27人 二等33人三等83人】

浙江省政府奖学金

22人

浙江大学优秀学生

42人

小米奖学金

1人

学院学业奖学金

177人

【一等12人 二等34人三等62人
学业优秀奖学金69人】

浙江大学“标兵”系列荣誉称号


332人

In the academic year of 2023-2024, ZJE students has won 15 national scholarships, 22 Zhejiang provincial government scholarships, 1 Xiaomi student scholarship, 143 Zhejiang University Scholarships (27 first-class, 33 second-class, and 83 third-class students), 42 outstanding students of Zhejiang University, 332 honorary titles of "model" of Zhejiang University, and 177 academic scholarship of ZJE (12 first-class, 34 second-class, 62 third-class and 69 academic excellent).

荣誉名称Awards	姓名 Name					
国家奖学金 National Scholarship	徐艺菡	Yidan Xu	吴迪	Di Wu	冉嘉忆	Jiayi Ran
	陈韵冰	Yunbing Chen	嵇姝涵	Shuhan Ji	景泽虞	Zeyu Jing
	姚想	Xiang Yao	陈语墨	Yumo Chen	张嘉怡	Jiayi Zhang
	刘鉴澈	Jianche Liu	沈煜	Shen Yu Shen	吴雨馨	Yuxin uWu
	俞心语	Xinyu Yu	吕思远	Siyuan Lyu	陈昕悦	Xinyue Chen
浙江省政府奖学金 Zhejiang Province Scholarship	黄贤喆	Xianzhe Huang	曹阅	Yue Cao	卞严志	Yanzhi Bian
	吴悠	You Wu	姚贯匀	Guanyun Yao	何柳	Liu He
	徐宇杰	Yujie Xu	朱韬宇	Taoyu Zhu	张源题	Yuanti Zhang
	袁敏	Min Yuan	田璞	Pu Tian	林可欣	Kexin Lin
	周子誉	Ziyu Zhou	范昊妍	Haoyan Fan	袁屹洲	Yizhou Yuan
	徐欣璐	Xinlu Xu	李易诚	Yicheng L	岐恒星	Hengxing Qi
	朱昕露	Xinlu Zhu	潘冠强	Guanqiang Pani		
	吴博翔	Boxiang Wu	余音	Yin Yu		

INNOVATION AND ENTREPRENEURSHIP

创新创业



本年度学院积极完善“全链实践”培育环节，加强Biomed-X创新创业实验室建设。与企业共建实习实践基地，共形成12家企业的多样化实习实践基地链条，为学生提供一线实践科研经验，为其今后职业生涯带来更多思考。

与创新创业实验室协同，进一步优化和规范学生加入团体、参加竞赛、评优奖励等机制，评奖评优细则里有关竞赛的部分进一步完善。设计科创竞赛支持机制，筛选了6支科创竞赛队伍进行孵化培育，参加iGEM竞赛、“舜宇杯”第九届全国大学生生命科学竞赛及浙江省国际大学生创新大赛国赛。

ZJE actively improved the "whole-chain practice" cultivation link, enhanced Biomed-X innovation and entrepreneurship lab. ZJE established a practice base with enterprises, forming a diversified practice practice base chain of 12 enterprises, providing students with front-line practice and research experience, and bringing more thinking for their future career.

2024年1支队伍获“iGEM”大赛金奖，1支队伍获浙江省国际大学生创新大赛主赛道浙江省级金奖，1支队伍获“舜宇杯”第九届全国大学生生命科学竞赛（科学研究类）国家级一等奖，1支队伍获“舜宇杯”第九届全国大学生生命科学竞赛（科学研究类）国家级三等奖。43位学生积极参与到创新创业工作中，并在团队中有杰出表现。

In collaboration with the Innovation and Entrepreneurship Laboratory, to further optimize and standardize the mechanism for students to join groups, participate in competitions, and evaluation and reward system. We designed a support mechanism for science and innovation competition, selected 6 students' teams for incubation and cultivation, and selected and supported 1 team to participate in iGEM competition in France. In 2024, one team won the gold medal in the "iGEM" competition, one team won the Zhejiang Provincial Gold Award in the main track of the Zhejiang International College Student Innovation Competition, one team won the first prize at the national level in College Student Life Science Competition (CULSC), and one team won the third prize at the national level in College Student Life Science Competition (CULSC). 43 students participated in other innovation and entrepreneurship activities.

LIST OF STUDENTS ENROLLED IN THE INNOVATION AND ENTREPRENEURSHIP LAB

创新创业实验室入驻学生名单

王晨 Chen Wang	杨一均 Yijun Yang	高一凡 Yifan Gao	王雅琪 Yaqi Wang	常成 Cheng Chang
于浩洋 Haoyang Yu	杨博 Bo Yang	曹阅 Yue Cao	段博朝 Bozhao Duan	许志伟 Zhiwei Xu
王铭源 Mingyuan Wang	肖明阳 Mingyang Xiao	曹筱冉 Xiaoran Ca	林新和 Xinhe Lin	林可欣 Kexin Lin
王雅琪 Yaqi Wang	吴迪 Di Wu	龚思元 Siyuan Gong	俱雨轩 Yuxuan Nai	
孔可萱 Kexuan Kong	张伊扬 Yiyang Zhang	嵇姝涵 Shuhan Ji	华潇枫 Xiaofeng Hua	
吕思远 Siyuan Lyu	张校晗 Xiaohan Zhang	熊诗涵 Shihan Xiong	李瀚璋 Hanzhang Li	
朱家莹 Jiaying Zhu	陈锦鹏 Jinpeng Chen	梁笑然 Xiaoran Liang	李林 Lin Li	
刘子墨 Zimo Liu	郑哲萌 Ximeng Zheng	姚凯文 Kaiwen Yao	吴悠 You Wu	
许睿凌 Ruiling Xu	贺梓航 Zihang He	白雨 Yu Bai	随嘉淇 Jiaqi Sui	
李烨轩 Yexuan Li	袁诗鸿 Shihong Yuan	袁霞 Xia Yuan	徐宇杰 Yujie Xu	

实践基地列表

07 List of Practice Bases

1. 浙江大学爱丁堡大学联合学院-迪安诊断技术集团股份有限公司学生实习实践基地 ZJE-DIAN DIAGNOSTICS Practice Base
2. 浙江大学爱丁堡大学联合学院-苏州工业园区学生实习实践基地 ZJE-Suzhou Industrial Park Practice Base
3. 浙江大学爱丁堡大学联合学院-艾立康药业股份有限公司 ZJE-Alicorn Practice Base
4. 浙江大学爱丁堡大学联合学院-杭州艾迪康医学检验中心有限公司 ZJE-ADICON Practice Base
5. 浙江大学爱丁堡大学联合学院-浙江普康生物技术股份有限公司 ZJE-Zhejiang Pukang Biotechnology Co.,LTD Practice Base
6. 浙江大学爱丁堡大学联合学院-北京奇科创咨询有限公司 ZJE- Beijing Qikechuang Consulting Co., Ltd Practice Base
7. 浙江大学爱丁堡大学联合学院-浙江昂大久力生物制药有限公司 ZJE-ANG DA JIU LI Practice Base
8. 浙江大学爱丁堡大学联合学院-杭州杰毅生物技术有限公司 ZJE-Matrix Practice Base
9. 浙江大学爱丁堡大学联合学院-海宁市产业技术研究院再生医学材料中心 ZJE-Regenerative Medical Materials Center, Haining Industrial Technology Research Institute Practice Base
10. 浙江大学爱丁堡大学联合学院-浙江天科高新技术发展有限公司 ZJE-Zhejiang Tianke Practice Base
11. 浙江大学爱丁堡大学联合学院-杭州艾森医药研究有限公司 ZJE-ACEA Practice Base
12. 浙江大学爱丁堡大学联合学院-杭州先导医药科技有限责任公司 ZJE-Hangzhou Pioneer Pharmaceutical Technology Practice Base

POSTGRADUATE

研究生培养



本年度学院研究生项目稳步发展，培养模式不断优化的同时规模逐步扩大，在籍研究生224人，其中硕士生87人，博士生137人。

This year, ZJE postgraduate programmes developed steadily, and the training model is constantly optimized. As of December 2024, there are 224 graduate students, including 87 master students and 137 PhD students.

The number of graduate students has increased steadily. In 2024, ZJE enrolled a total number of 29 PhD degree students, 50 MSc degree students. The rate of ZJU PhD students who graduated from 985 project or QS top 100 universities increased from 56% to 71%. On the UoE awarded postgraduate programmes, ZJE admitted 29 UoE single PhD degree and 128 master's degree candidates, 87% of whom graduated from University of Manchester, Queen's University of Belfast, University of Glasgow, University of Edinburgh and other well-known overseas universities.

招生

01 Enrollment

学院研究生稳步扩大招生规模，2024年共招生博士29人，硕士50人。浙江大学学籍博士研究生生源来自985高校或QS前100比例提升15%，达到71%。双博士项目录取按照爱丁堡大学入学标准严格选拔，20名优秀生源进入双学位博士通道，双学位注册率提升39%，达95%。

爱大单学位项目录取硕士生29人和博士研究生8人，其中87%的新生来自曼彻斯特大学、贝尔法斯特女王大学、格拉斯哥大学、爱丁堡大学等海外知名高校。

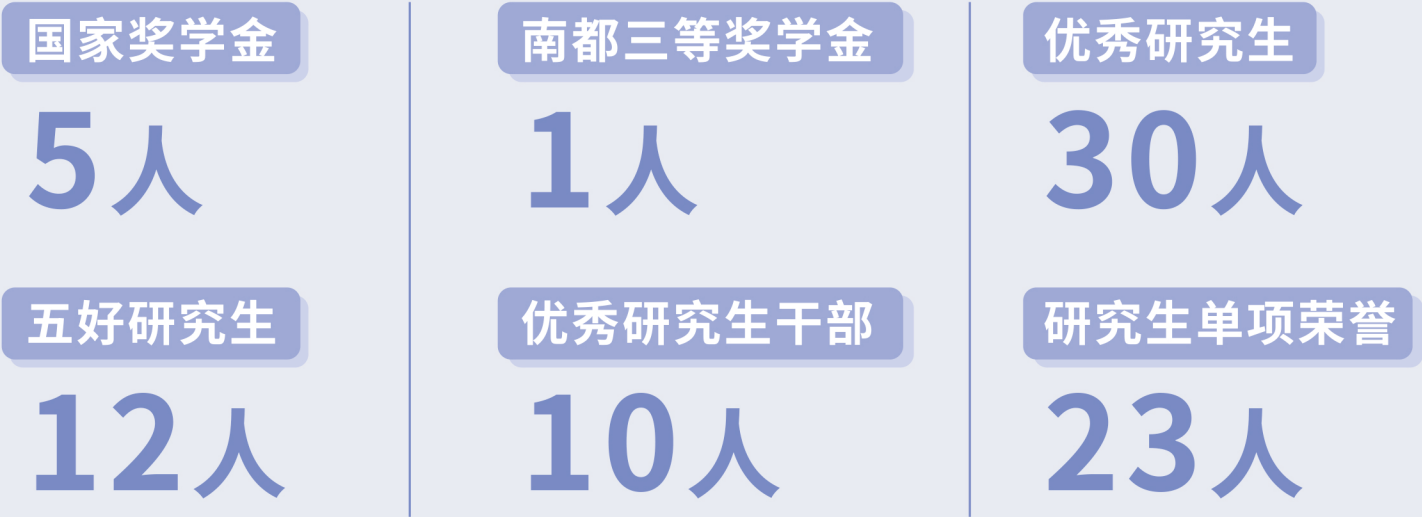
毕业

02 Graduate

2024届研究生毕业生23人，其中博士7人，硕士16人。毕业去向中，就业16人、继续深造1人、自主创业1人

There were 23 postgraduate graduates in 2024, including 7 PhDs and 16 masters. As of December 2024, 16 students have secured employment, 1 has chosen to pursue further studies, and 1 has started their own business.

2023-2024学年我院研究生共获得



In the academic year of 2023-2024, ZJE's postgraduate students have won 5 National Scholarships, 1 Nandu Third Class Scholarship, 30 Outstanding Graduate Students, 12 "Well Rounded" Graduate Students, 10 Outstanding Graduate Leaders, and other 23 Single Awards.

荣誉名称 Awards	姓名 Name					
国家奖学金 National Scholarship	史晓晖	Xiaohui Shi	王腾	Teng Wang	颜伊阳	Yiyang Yan
	李雯玥	Wenyue Li	唐倩	Qian Tang		
南都奖学金 Nandu ThirdClass Scholarship	张晋	Jin Zhang				
五好研究生 Well Rounded” Graduate Student	陈斯琳	Silin Chen	连晨	Lian Chen	颜伊阳	Yiyang Yan
	童玲玲	Lingling Tong	王腾	Teng Wang	李雯玥	Wenyue Li
	谢玄	Xuan Xie	张晋	Jin Zhang	相欣雨	Xinyu Xiang
	张晋	Jin Zhang	唐倩	Qian Tang	王梓琦	Ziqi Wang

ZHEJIANG UNIVERSITY-UNIVERSITY OF EDINBURGH COLLABORATION UNIT

- 01 科研项目 Research Projects
- 02 部分文章 Part of Publications
- 03 研究中心 Research Centres
- 04 实验动物中心 ZJE Laboratory Animal Centre

UNIVERSITY OF
GH INSTITUTE



RESEARCH
科研学术



2024年学院科研成果喜人，在科研项目、学术交流、论文发表方面取得新的突破。获批国家自然科学基金共获资助5项，总命中率15.63%；其中，面上项目3项，命中率15.79%；青年科学基金项目2项，命中率28.57%。获批科技部2024 年度“前沿生物技术”重点专项青年科学家项目1项；获批浙江省自然科学基金资助（华东医药企业联合基金重点项目）1项。在论文上，学院师资以第一作者或通讯作者在高水平学术期刊发表文章31篇。浙江大学-鄂尔多斯市鄂托克旗生物医药联合研究中心揭牌启动，步入了校地合作崭新篇章。

ZJE has achieved remarkable research outcomes in 2024, making significant breakthroughs in research projects, academic communication, and paper publications. ZJE has gained 5 National Natural Science Foundation programmes, with a total hit rate of 15.63%, 3 are the General Programmes, with a hit rate of 15.79%, 2 are the Youth Scientists Funds, with a hit rate of 28.57%. In addition, ZJE also has gained 1 young scientist project of the 2024 "Frontier Biotechnology" key special project of the Ministry of Science and Technology, and 1 project funded by the Zhejiang Provincial Natural Science Foundation (a key project of the East China Pharmaceutical Enterprise Joint Fund). As to publications, ZJE has published 31 SCI papers this year (the first author or corresponding author address is ZJE). The Zhejiang University-Otog Banner, Ordos City Joint Research Centre for Biopharmaceuticals was unveiled and launched, stepping into a new chapter of university-land cooperation.

RESEARCH
PROJECTS

科研项目

项目来源 PROJECT SOURCES	项目名称 PROJECT TITLE	项目负责人 PROJECT LEADER
国家自然科学基金委员会 National Natural Science Foundation of China	ELF3高表达肺鳞癌亚群驯化中性粒细胞从抑癌到促癌促进 肿瘤发生发展的机制研究 Mechanism study on how the high expression of ELF3 in squamous cell carcinoma subgroups of the lung domesticates neutrophils from tumor-suppressing to tumor-promoting, facilitating the occurrence and development of tumors.	刘坚 Jian Liu
国家自然科学基金委员会 National Natural Science Foundation of China	低氧诱导因子脯氨酸羟化酶介导营养调控秀丽隐杆线虫发 育和衰老的分子机制研究 Molecular mechanism study on how hypoxia-inducible factor prolyl hydroxylases mediate nutrient regulation of development and aging in Caenorhabditis elegans.	陈迪 Di Chen
国家自然科学基金委员会 National Natural Science Foundation of China	软骨细胞可塑性的快速预测及关键调控机制研究 Rapid prediction of chondrocyte plasticity and research on key regulatory mechanisms.	陈奕姗 Yishan Chen
国家自然科学基金委员会 National Natural Science Foundation of China	载工程化胞外囊泡微针贴片通过调控成纤维细胞重编程促 进皮肤创面无瘢痕愈合的研究 Research on microneedle patches loaded with engineered extracellular vesicles promoting scar-free wound healing in the skin by regulating fibroblast reprogramming.	董佳 Jia Dong
国家自然科学基金委员会 National Natural Science Foundation of China	Zfp467调控多倍体肝细胞再生潜能机制的研究 Study on the mechanism of Zfp467 regulating the regenerative potential of polyploid hepatocytes.	金银花 Yinhua Jin
科技部 MOST	单细胞时空组学大数据分析算法、软件与平台建设 Development of algorithms, software, and platforms for single-cell spatiotemporal omics big data analysis.	刘琬璐 Wanlu Liu
浙江省自然科学基金委 Natural Science Foundation of Zhejiang Province	多维度分析钙结合蛋白调控肠道肿瘤干细胞异质性及其治 疗靶点的研究 Development of algorithms, software, and platforms for single-cell spatiotemporal omics big data analysis.	周卓龙 Zhuolong Zhou

PART OF PUBLICATIONS 部分文章

作者 AUTHORS	论文标题 TITLE	杂志名称 JOURNAL
Danni Zhong, Kangyu Jin, Ruoxi Wang, Bing Chen, Jinghui Zhang, Chaojie Ren, Xiaoyuan Chen, Jing Lu, Min Zhou	Microalgae-Based Hydrogel for Inflammatory Bowel Disease and Its Associated Anxiety and Depression	Adv Mater.
Xueying An, Danni Zhong, Wenshu Wu, Ruoxi Wang, Lin Yang, Qing Jiang, Min Zhou , Xingquan Xu	Doxorubicin-Loaded Microalgal Delivery System for Combined Chemotherapy and Enhanced Photodynamic Therapy of Osteosarcoma	ACS Appl Mater Interfaces.
Xuri Chen, Yuwei Yang, Yuqing Gu, Junzhi Yi , Wenyu Yao, Zhuomin Sha, Hongwei Wu , Yunting Zhou, Zhonglin Wu , Fangyuan Bao, Jiasheng Wang, Ying Wang, Yuanhao Xie , Chenlu Gao, Boon Chin Heng, Hua Liu, Zi Yin, Xiao Chen, Jing Zhou, Hongwei Ouyang	Inhibition of PI3K/AKT signaling pathway prevents blood-induced heterotopic ossification of the injured tendon	J Orthop Translat.
Yixin Guo, Ziwei Xue, Meiting Gong, Siqian Jin, Xindi Wu, Wanlu Liu	CRISPR-TE: a web-based tool to generate single guide RNAs targeting transposable elements	Mob DNA.
Xihao Pan, Rui Li, Wenyue Li , Wei Sun, Yiyang Yan, Xiaochen Xiang , Jinghua Fang, Youguo Liao, Chang Xie, Xiaozhao Wang , Youzhi Cai, Xudong Yao, Hongwei Ouyang .	Silk fibroin hydrogel adhesive enables sealed-tight reconstruction of meniscus tears.	Nat Commun.
Dike Zhang, Jian He, Shi Yuan Hua , Yonghua Li, Min Zhou .	Reactive Oxygen Species-Responsive Dual Anti-Inflammatory and Antioxidative Nanoparticles for Anterior Uveitis	ACS Appl Mater Interfaces.
Chao Jiang, Qiujiang Zhou, Ke Yi , Ying Yuan, Xin Xie .	Colorectal cancer initiation: Understanding early-stage disease for intervention	Cancer Lett.
Yaqi Su, Zhejian Yu, Siqian Jin , Zhipeng Ai, Ruihong Yuan, Xinyi Chen, Ziwei Xue, Yixin Guo, Di Chen , Hongqing Liang, Zuozhu Liu, Wanlu Liu .	Comprehensive assessment of mRNA isoform detection methods for long-read sequencing data	Nat Commun.
Qiulin He , Youguo Liao, Haonan Zhang, Wei Sun, Wenyan Zhou, Junxin Lin , Tao Zhang, Shaofang Xie, Hongwei Wu, Jie Han, Yuxiang Zhang, Wei Wei, Chenglin Li, Yi Hong, Weiliang Shen, Hongwei Ouyang .	Gel microspheres enhance the stemness of ADSCs by regulating cell-ECM interaction	Biomaterials.
Xiao Zang, Qi Wang , Hanxin Zhang, Yiyan Zhang , Zi Wang, Zixing Wu, Di Chen .	Knockdown of neuronal DAF-15/Raptor promotes healthy aging in C. elegans	J Genet Genomics.
Chao Wang, Yuhan Wang, Ting Gang Chew .	Protocol for the detection of mechanosensitive response of proteins in cultured cells under compressive stress	STAR Protoc.
Hui Huang, Xiaoyang Liu, Yutong Lang , Jiarong Cui, Danni Zhong, Min Zhou .	Breaking barriers: bacterial-microalgae symbiotic systems as a probiotic delivery system	J Nanobiotechnology.
Renjie Liang, Rui Li, Weidong Mo, Xianzhu Zhang, Jinchun Ye, Chang Xie, Wenyue Li, Zhi Peng, Yuqing Gu, Yuxuan Huang, Shufang Zhang, Xiaozhao Wang, Hongwei Ouyang .	Engineering biomimetic silk fibroin hydrogel scaffolds with "organic-inorganic assembly" strategy for rapid bone regeneration	Bioact Mater.
Shasha Yao, Yi Wang, Qian Tang , Yujie Yin, Yu Geng, Lei Xu, Shifu Liang, Jiajia Xiang, Jiaqi Fan, Jianbin Tang, Jian Liu , Shiqun Shao, Youqing Shen.	A plug-and-play monofunctional platform for targeted degradation of extracellular proteins and vesicles	Nat Commun.
Yishan Chen, Yiyang Yan, Ruonan Tian , Zixuan Sheng, Liming Li, Jiachen Chen, Yuan Liao, Ya Wen, Junting Lu, Xinyu Liu, Wei Sun , Haoyu Wu, Youguo Liao, Xianzhu Zhang, Xuri Chen, Chengrui An, Kun Zhao, Wanlu Liu , Jianqing Gao, David C Hay, Hongwei Ouyang .	Chemically programmed metabolism drives a superior cell fitness for cartilage regeneration	Sci Adv.
You Yu , Juncheng Wang, Kaixian Liu, Zhi Zheng, Meret Arter, Corentin Claeys Bouuaert, Stephen Pu, Dinshaw J Patel, Scott Keeney.	Cryo-EM structures of the Spo11 core complex bound to DNA	Nat Struct Mol Biol.
Jian He, Xiuhui Lin, Dongxiao Zhang , Huiqun Hu, Xiaoyuan Chen, Feng Xu, Min Zhou .	Wake biofilm up to enhance suicidal uptake of gallium for chronic lung infection treatment	Biomaterials.
Jian He, Xiuhui Lin, Dongxiao Zhang , Huiqun Hu, Xiaoyuan Chen, Feng Xu, Min Zhou .	Wake biofilm up to enhance suicidal uptake of gallium for chronic lung infection treatment	Biomaterials.
Shue Chen, Yang Sun, Yuling Qin, Lan Yang , Zhenhua Hao, Zhihao Xu, Mikael Björklund , Wei Liu, Zhi Hong .	Dynamic interaction of REEP5-MFN1/2 enables mitochondrial hitchhiking on tubular ER	J Cell Biol.
Xiaohang Feng, Zhengxing Li, Yuping Liu, Di Chen, Zhuolong Zhou .	CRISPR/Cas9 technology for advancements in cancer immunotherapy: from uncovering regulatory mechanisms to therapeutic applications	Exp Hematol Oncol.
Ting Ji , Haoyuan Shi, Xinyi Yang, Hu Li , David L Kaplan, Jingjie Yeo, Wenwen Huang .	Bioinspired Genetic and Chemical Engineering of Protein Hydrogels for Programmable Multi-Responsive Actuation	Adv Healthc Mater.
Fei Wang, Ran Li, Jing Yi Xu, Xiaoxia Bai, Ying Wang, Xu Ri Chen, Chen Pan, Shen Chen, Ke Zhou, Boon Chin Heng, Xuwei Wu, Wei Guo , Zhe Song, Shu Cheng Jin, Jing Zhou, Xiao Hui Zou, Hong Wei Ouyang , Hua Liu.	Downregulating human leucocyte antigens on mesenchymal stromal cells by epigenetically repressing a β 2-microglobulin super-enhancer	Nat Biomed Eng.
Xiaohui Shi , Chenxiang Xi, Baoxing Dong, Zihui Yan, Wenqiang Liu, Shaorong Gao, Di Chen .	Maternal infection with SARS-CoV-2 during early pregnancy induces hypoxia at the maternal-fetal interface	Cell Prolif.
Lele Li, Danni Zhong , Shoujie Wang, Min Zhou .	Plant-derived materials for biomedical applications	Nanoscale.
Shiyuan Hua , Huiqun Hu, Jin Liu, Feng Lu, Runchang Yu, Xuening Zhang, Haimeng Sun, Ziwei Wang, Yige Li , Jingyan Xia, Feng Xu, Min Zhou .	A Mucous Permeable Local Delivery Strategy Based on Manganese-Enhanced Bacterial Cuproptosis-like Death for Bacterial Pneumonia Treatment	ACS Nano.
Yashi Gu, Jiayao Chen, Ziqi Wang, Qizhe Shao, Zhekai Li, Yaxuan Ye, Xia Xiao, Yitian Xiao, Wenyang Liu, Sisi Xie, Lingling Tong, Jin Jiang, Xiaoying Xiao , Ya Yu, Min Jin, Yanxing Wei, Robert S Young , Lei Hou, Di Chen .	Integrated analysis and systematic characterization of the regulatory network for human germline development	J Genet Genomics.

RESEARCH CENTRES

研究中心

学院专项支持四个主题式研究中心开展丰富充实的学术活动。各中心通过邀请研究领域知名专家作学术报告、爱丁堡大学高年级博士生座谈等多样性的活动，面向师生生活跃了学术生活；举办了中心年度总结会，增加了中心的凝聚力；第一次以中心为品牌，参加优秀大学生夏令营推介，并赴外省高校进行研究生项目宣讲。学院今年成立了“生物医学”未来研究中心，柯越海教授任中心主任，该中心旨在引进合作方爱丁堡大学在学院进行技术平台搭建，促进浙江大学-爱丁堡大学国际科研合作成果转化。

ZJE provides special support for the four research centers to carry out rich and fulfilling academic activities. Each center enlivens academic life for faculty and students by inviting renowned experts in their fields to give academic reports, organizing discussions with senior Ph.D. students from the University of Edinburgh, and conducting a variety of other activities. They have held annual summary meetings to enhance the centers' cohesion; for the first time, the centres participated in the promotion of excellent summer camps for university students as a brand and went to the universities in other provinces for the postgraduate project promotion. This year, ZJE established the "Biomedical" Future Research Center, with Professor Yuehai Ke serving as the director. The center aims to introduce the University of Edinburgh as a partner to build a technical platform, facilitating the transformation of international scientific research cooperation outcomes between Zhejiang University and the University of Edinburgh.

Centre for Cellular
Biology and Signalling
细胞精细结构信号传导中心



Centre for Regeneration
and Cell Therapy
再生医学与干细胞治疗研究中心



Centre for Biomedical
Systems and Informatics
生物医学系统与信息学中心



Centre for Infection
Immunity and Cancer
感染免疫和癌症中心



Biomedical Health and Translational Research Centre
生物医学与工程转化中心 (BHTRC)

RESEARCH
CENTRES

ZJE CORE FACILITY 公共技术平台



学院公共技术平台全面支持校区科研单位的各种需求，现有共享大型仪器39台，价值超4000万元，为校内外近40个课题组或单位提供了科研服务支撑，全年累计服务约3.62万小时，同比分别增长16.77%；其中50万元以上大型仪器设备总机时数1.91万小时，同比增长34.12%。学院更新公共平台委员会的职责文件和成员名单，研讨公共技术平台未来发展方向，调动师资参与科研事务管理的积极性，为技术平台长期稳定发展提供重要决策依据。

This year, ZJE core facility fully supported the various needs of scientific research institutions in the campus, shared 39 large instruments and has provided service support for more than 40 research groups inside and outside the campus. The cumulative service is about 36,200 hours, representing a year-on-year increase of 16.77%; Among these, the total machine hours for large instruments costing over 500,000 yuan amount to 19,100 hours, marking a year-on-year growth of 34.12%. ZJE has updated the responsibility documents and member lists of the ZJE core facility, discussed the future development direction and motivated the faculty to participate actively in the management of scientific research affairs, providing important decision-making basis for the long-term and stable development of the core facility.

ZJE LABORATORY ANIMAL CENTRE 实验动物中心



学院实验动物中心在2024年度圆满达成了稳健运行的核心目标，取得了显著的成就。年内，饲养笼位实现了20%的增长，年饲养费收入较2023年同比激增39%。中心坚持高标准管理，在2024年度浙江大学实验室安全达标考评中脱颖而出，荣获“优秀实验室”称号。学院新设成立动物福利伦理审查委员会，联动主校区实验动物福利伦理审查系统，实现了中英双方伦理审查监督的无缝对接。中心已入驻课题组27个，注册实验人员226人，其科研服务范围广泛覆盖了本学院超过70%的课题组。受鹃湖科技城艾立康药业股份有限公司委托，中心首次与地方企业签订服务协议，提供企业研发平台和技术资源，服务地方产业。

In the year 2024, ZJE Laboratory Animal Centre (LAC) has achieved the core objective of stable and efficient operation, making significant accomplishments. During this year, the number of animal cages increased by 20%, and the annual revenue from animal husbandry fee increased by 39% compared to 2023. LAC has adhered to high standards of management and stood out in the 2024 ZJU Laboratory Safety Evaluation, earning the title of ‘Safety Laboratory’.

ZJE has established the Animal Welfare and Ethics Review Board, which works in conjunction with the Animal Ethics Management System of main campus, ensuring seamless integration of ethical oversight between both sides of China and UK. Currently, LAC serves 27 research groups, with a total of 226 experimenters, and our research service covers more than 70% of the research groups within ZJE. In a groundbreaking development, LAC has signed the first service agreement with a local company, Alikang Pharmaceutical Co., Ltd. in Quanhui International Technology City, offering research and development platform as well as technical resources to support local industries.

ZHEJIANG UNIVERSITY-UNIVERSITY EDINBURGH UNIVERSITY



UNIVERSITY OF HIGH INSTIT



EVENTS 事迹&活动



ZJE2024家长志愿者座谈会

ZJE 2024 PARENT VOLUNTEER SYMPOSIUM

2024年3月31日下午，ZJE2024家长志愿者座谈会在国际校区求是书院4号厅成功召开。来自广东、河北、浙江、上海等省市的25位家长志愿者就学院招生、学生成长及未来发展等进行了沟通。ZJE院长柯越海，副院长叶治国，招生主管黄晓涵及部分师资代表参加会议。

On March 31st, 2024, ZJE 2024 Parent Volunteer Symposium was successfully held in Faculty Club NO.4 Hall. Twenty-five parent volunteers from Guangdong, Hebei, Zhejiang, Shanghai and other provinces and cities communicated about enrollment student growth and future development. ZJE Dean Ke Yuehai, Vice Dean Ye Zhiguo, Admissions Supervisor Huang Xiaohan and some faculty representatives attended the meeting.

ZJE师生前往爱丁堡大学冬令营之旅

ZJE WINTER SCHOOL TO UNIVERSITY OF EDINBURGH

2024年1月27日至2月3日，ZJE的18位师生顺利完成了阔别4年的爱丁堡winter school活动，度过了一场充满学术探索与文化交流的英国之旅。在本次活动中，同学们不仅丰富了自身的学术知识体系，还亲身体验了苏格兰独特文化，这一经历拓展了他们国际化的视野。

From January 27th to February 3rd, 2024, 18 students and teachers completed the Edinburgh winter school. During this event, students not only enriched their academic knowledge base but also had a firsthand experience of the unique culture of Scotland, an experience that broadened their international horizons.



ZJE在中国苏格兰商业大奖中荣获年度教育合作伙伴

ZJE WON EDUCATIONAL PARTNERSHIP OF THE YEAR AWARD

2024年2月8日，英中贸易协会在爱丁堡举办了“中国伯恩斯晚宴”，并颁发了本年度的中国-苏格兰商业奖，与会嘉宾超过300人。ZJE荣获“年度教育合作伙伴”奖，ZJE执行院长Sue Welburn教授上台领奖。

On February 8th, 2024, the China-Scotland Business Awards were announced and presented at the Chinese Burns Supper held by the China-Britain Business Council (CBBC). ZJE was named 'Educational Partnership of the Year' Award. Professor Sue Welburn, executive dean ZJU-UoE Institute, received the award.

2023年工作总结会暨2024年教职工新年联欢会

ZJE 2023 ANNUAL REVIEW CONFERENCE & 2024 NEW YEAR PARTY

2024年1月25日，ZJE 2023年工作总结会暨2024年迎新年联欢会在国际校区多功能厅举行。我们共同回顾硕果累累的2023，展望充满希冀的2024。

On January 25th, 2024, ZJE held the 2023 Annual Conference & 2024 New Year Party in the Multi-function Hall. We are all gathering to jointly review the fruitful achievements of 2023 and look forward to the promising year of 2024.

第二届紫鹃青年学者论坛

THE SECOND ZIJUAN YOUNG SCHOLARS FORUM

2024年6月4日，第二届紫鹃青年学者论坛在国际校区2C东报告厅顺利举行。本次论坛由ZJE主办，良渚实验室和浙江大学基础医学院高峰学科项目协办，来自三家单位的120余名师生参与论坛，共同就组学与疾病领域的诸多热点问题进行了深入交流与探讨。ZJE副院长徐素宏研究员出席论坛并致开幕词，来自ZJE的陈迪研究员、王超尘研究员和来自良渚实验室的沈宁研究员共同主持学术交流环节。

On June 4th, 2024, the Second Zijuan Youth Scholars Forum was successfully held at the East Hall of Building 2C of the International Campus. The forum was organized by the ZJE, co-organized by the Liangzhu Laboratory and the Peak Discipline Project of the School of Basic Medical Sciences of Zhejiang University. More than 120 faculty and students from the three institutions participated in the forum, engaging in in-depth discussions on various hot topics in the field of omics and diseases. Suhong Xu, Vice Dean of ZJE, attended the forum and delivered the opening speech. Di Chen and Chaochen Wang from ZJE, as well as Ning Shen from the Liangzhu Laboratory, co-chaired the academic exchange session.





EVENTS

ZJE2024届毕业生晚会

ZJE 2024 GRADUATION CEREMONY

2024年6月25日，ZJE2024届毕业生晚会在浙江大学海宁国际校区文理楼举行。ZJE2024届本科毕业生、UoE单学位硕士毕业生、双学位博士毕业生和老师们身着正装、礼服，欢聚一堂，共同庆祝这一重要时刻。

On June 25th, 2024, the ZJE 2024 Graduation Ceremony was held at the Arts and Science Building of the International Campus. ZJE 2024 undergraduate graduates, UoE degree master's graduates, dual-degree PhD graduates, and faculty members dressed in formal attire and gowns gathered to celebrate this significant occasion.

ZJE第六届优秀大学生夏令营

THE 6TH EXCELLENT UNDERGRADUATE SUMMER CAMP

2024年7月11日至12日，ZJE第六届优秀大学生夏令营成功举办。此次夏令营吸引到来自全国20所“双一流”高校81名本科生报名，最终选拔35人入营。学子们全程投入每个环节的活动，破冰晚宴、宣讲讲座、校园参观、研究中心介绍和导师互动等活动，亲身感受了中西融合、开放包容的学院教育文化与理念。

From July 11th to 12th, the 6th Excellent Undergraduate Summer Camp was successfully held. This summer camp attracted 81 undergraduate students from 20 "Double First-Class" universities across the country to register, and ultimately 35 students were selected to participate. The students were fully engaged in every aspect of the activities, including ice-breaking dinners, informative lectures, campus tours, introductions to research centers, and interactions with mentors. They personally experienced the college's educational culture and philosophy, which is characterized by a fusion of Chinese and Western elements, openness, and inclusiveness.

ZJE2024级新生欢迎仪式

2024 ZJE WELCOME CEREMONY FOR NEW-COMING STUDENTS

2024年9月11日，ZJE2024级新生欢迎仪式在浙江大学海宁国际校区举行。148名本科生，50名硕士生和30名博士生由九州四海奔赴而来，携带殷切期许，心怀赤诚理想，在ZJE开启新征程。

On September 11th, 2024, the ZJE new student welcome ceremony was held in the Haining International Campus of Zhejiang University. 148 undergraduates, 50 masters, and 30 PhD students came from all over the world, carrying great expectations and sincere ideals to start a new journey in ZJE.

ZJE代表团出访海外举办学者见面会

THE ZJE DELEGATION VISITED EUROPE AND THE USA TO HOST AN ACADEMIC EXCHANGE EVENT.ACADEMIC EXCHANGE EVENT

ZJE院长、浙江大学医学院副院长柯越海教授一行，于2024年5月11日至5月22日分别前往苏黎世、海德堡、伦敦、剑桥和圣迭戈举办多场海外学者见面会，共计一百二十多位青年学者参会。代表团向海外学者介绍了浙江大学“新医科”的探索与实践ZJE的合作办学情况、人才引进政策及引进人才的发展情况，与参会人员充分交流了生物医学领域的学术前沿和海外引进人才的国内职业发展机会，现场反映热烈。

ZJE delegation held several academic exchange activities from 11 May to 22 May 2024 at Zurich, Heidelberg, London, Cambridge and San Diego, where the team gave an introduction on ZJE, Medicine disciplinary endeavors and academic position opportunities at Zhejiang University. More than 150 young scholars participated in the events and enjoyed discussions and consultations. Through these events, we explored feasible ways to reach out overseas young scholars who are interested in biomedical sciences and promoted ZJE accordingly. We will continue to strengthen our bonds with young scholars and improve our academic recruitment policies.



浙江大学爱丁堡大学生物医学年度双边研讨会

ZJE-UOE INSTITUTE BIOMEDICAL ANNUAL BILATERAL SYMPOSIUM

2024年7月16至17日，浙江大学与爱丁堡大学联合举办的“生物医学未来”双边研讨会在英国爱丁堡顺利召开，来自两所顶级学府100余位师生共聚一堂，分享了在生物医学科学领域取得的突破性进展和疾病治疗新方式，探讨了生物材料、生物信息学、细胞生物学、免疫信号、传染病和癌症等前沿科学问题。爱丁堡大学医学院生物医学系院长Mike Shipston教授，浙江大学医学院副院长、ZJE院长柯越海教授和ZJE执行院长Susan Welburn教授共同出席开幕式并致开幕词。爱丁堡大学医学院和兽医学院院长David Argyle教授、浙江大学国际联合学院副院长吴健教授、基础医学院院长徐浩新教授、脑科学与脑医学学院院长胡海岚教授、良渚实验室常务副主任欧阳宏伟教授、医学院副院长王迪教授、医学院副院长和附属妇产科医院常务副院长张丹教授等应邀参加会议。

On July 16th-17, 2024, the academic symposium "Biomedical Futures" jointly organized by Zhejiang University and the University of Edinburgh was successfully held in Edinburgh, UK. More than 100 students and faculty from the two top universities gathered to share breakthroughs and new approaches to disease treatment in the field of biomedical science, and explore cutting-edge scientific issues such as biomaterials, bioinformatics, cell biology, immune signaling, infectious diseases, and cancer. Prof. Mike Shipston, Dean of Biomedical Sciences at the University of Edinburgh, Prof. Yuehai Ke, Vice Dean of Zhejiang University School of Medicine and Dean of ZJE, Prof. Susan Welburn, Executive Dean of ZJE, attended the opening ceremony and delivered opening speeches. Prof. David Argyle, Dean of the School of Medicine and Veterinary Medicine at the University of Edinburgh, Prof. Jian Wu, Vice Dean of the International Campus Zhejiang University, Prof. Xu Haoxin, Dean of the School of Basic Medical Sciences of Zhejiang University, Prof. Hu Hailan, Dean of the School of Brain Science and Brain Medicine of Zhejiang University, Prof. Ouyang Hongwei, Executive Deputy Director of Liangzhu Laboratory, Prof. Wang Di, Vice Dean of the School of Medicine of Zhejiang University, Prof. Zhang Dan, Vice Dean of the School of Medicine of Zhejiang University and Executive Vice Dean of the Women's Hospital School of Medicine Zhejiang University, and others were invited to attend the meeting.

第七届生物医学未来领袖夏令营

THE 7TH FUTURE LEADER OF BIOMEDICAL SCIENCES CAMP

2024年7月21日至26日，ZJE第七届生物医学未来领袖夏令营圆满收官。此次夏令营吸引了来自海内外共44所优秀中学的73位高中生，他们参与了学术讲座、科研训练、校园参观、企业走访等活动，感受了生物医学的魅力。

From July 21st to 26th, 2024, the 7th Biomedical Future Leaders Summer Camp was held successfully. This summer camp attracted 73 high school students from 44 outstanding schools both at home and abroad. They participated in academic lectures, research training, campus tours, corporate visits, and other activities, experiencing the charm of biomedical sciences.

“重温浙大西迁历史，探寻生物医学文脉”——探访浙大西迁首站建德梅城

"REVISITING THE HISTORY OF ZJU'S WESTWARD RELOCATION AND EXPLORING THE BIOMEDICAL CULTURE LINEAGE" - VISITING MEICHENG, JIANDE, THE FIRST STOP OF ZJU'S WESTWARD RELOCATION

为深入学习贯彻学校暑期工作会议精神，2024年8月27日至28日，ZJE“重温浙大西迁历史，探寻生物医学文脉”主题活动在浙大西迁首站--建德梅城举行，三十多名中外师生在此重温浙大西迁历史，感悟求是精神。

From August 27th to 28th, 2024, faculty and students from ZJE embarked on a journey to Meicheng, the first stop of Zhejiang University's historic westward relocation. More than 30 Chinese and foreign teachers and students were here to review the history of the westward relocation of Zhejiang University and comprehend the spirit of seeking truth.



第二届“潮涌国际”师生运动会 THE 2ND INTERNATIONAL CAMPUS GAMES

2024年11月2日，国际校区举行第二届“潮涌国际”师生运动会，ZJE共62名学生，44名教工参赛，获得师生团队总冠军。

On November 2nd, 2024, the Second International Campus Games was held. ZJE had a total of 62 students and 44 faculty members participating in the competition, winning the Highest Total Score in Track and Field Events.



2024年细胞研究国际前沿论坛 2024 CELL RESEARCH SYMPOSIA

2024年11月4日-6日，Cell Research Symposia: 干细胞和组织再生，在浙江大学海宁国际校区多功能厅圆满举行。3天的会议吸引了来自全球的顶尖科学家、研究人员和学者近300余人参加。中国科学院分子细胞科学卓越创新中心李劲松院士、惠利健教授，Cell Research 执行主编李党生研究员和浙江大学爱丁堡大学联合学院院长，浙江大学医学院副院长柯越海教授到会并分别致开幕词。

From November 27th to 28th, 2024, Cell Research Symposia: Stem Cells and Tissue Regeneration, was successfully held in the Multifunctional Hall, International Campus of Zhejiang University. The symposia attracted nearly 300 top scientists, researchers and scholars from all over the world. Academician Jinsong Li and Professor Lijian Hui from the Shanghai Institute of Biochemistry and Cell Biology, CAS, Dangsheng Li, Executive Editor of Cell Research, and Professor Yuehai Ke, Dean of the ZJE and Vice Dean of the School of Medicine of Zhejiang University, attended the meeting and delivered opening speeches respectively.

第三届紫鹃青年学者论坛 THE THIRD ZIJUAN YOUTH SCHOLARS FORUM

2024年11月29日，第三届紫鹃青年学者论坛在国际校区2A楼A203报告厅顺利举行。本次论坛由ZJE主办，浙江大学生命科学研究院（LSI）和浙江大学基础医学院高峰学科项目协办。来自三家单位的100余名师生参与论坛，共同就“细胞探索，超越边界”这一主题进行了深入交流与探讨。ZJE院长柯越海教授、LSI院长冯新华教授出席论坛并致开幕词。



On November 29, 2024, the Third Zijuan Youth Scholars Forum was successfully held in A203, ZJE Building, International Campus of Zhejiang University. The forum was organised by the ZJE, co-organised by the Life Science Institute of Zhejiang University (LSI) and the Peak Discipline Project of the School of Basic Medical Sciences of Zhejiang University. More than 100 faculty and students from the three institutions participated in the forum and conducted in-depth exchanges and discussions on the theme of “Cell Biology and Beyond”. Professor Yuehai Ke, Dean of ZJE, and Professor Xin-Hua Feng, Dean of LSI, attended the forum and delivered opening speeches.



ZJE2024秋季毅行 ZJE 2024 AUTUMN TRAIL WALK

ZJE “秉承求是精神，追求生医文脉”第五届毅行于2024年12月1日顺利举办。来自ZJE及兄弟办学单位、校区各部门师生共250余人参与活动。25支队伍发扬团队精神，携手共进，全部顺利完成了行程。

The ZJE 5th Trail Walk was successfully held on 1st December 2024. More than 250 participants from ZJE, the other institutes, and campus departments took part in the event. 25 teams developed the team spirit, worked hand in hand, and all completed the journey successfully.

“诺奖解读：秀丽隐杆线虫与生命科学前沿——诺奖视角下的科学探索与合作”研讨会

“NOBEL PRIZE INTERPRETATION: CAENORHABDITIS ELEGANS AND THE FRONTIERS OF LIFE SCIENCES – SCIENTIFIC EXPLORATION AND COLLABORATION FROM THE NOBEL PRIZE PERSPECTIVE” SEMINAR

2024年12月23日，ZJE与中国细胞生物学会青年工作委员会联合主办的“诺奖解读：秀丽隐杆线虫与生命科学前沿——诺奖视角下的科学探索与合作”研讨会在浙江大学海宁国际校区东报告厅成功举办。此次研讨会旨在进一步推动以秀丽隐杆线虫为模式生物的生命科学研究发展，促进苏皖浙地区线虫社区的合作与交流，鼓励跨领域合作与创新思维的碰撞。ZJE副院长徐素宏研究员致开幕词，来自中国科学技术大学光寿红教授、单革教授，ZJE陈迪研究员，以及浙江大学转化医学研究院邹炜研究员等80余名师生参加会议。

On December 23, 2024, the Nobel Prize Interpretation: Caenorhabditis elegans and the Frontiers of Life Sciences – Scientific Exploration and Collaboration from the Nobel Prize Perspective seminar co-organised by the ZJE and the Youth Working Committee of the Chinese Society for Cell Biology was successfully held in the East Hall, International Campus of Zhejiang University. Suhong Xu, Vice Dean of ZJE, delivered an opening speech. More than 80 teachers and students attended the meeting.





“爱浙谭”系列活动
iZJEers Talk

本年度举办“爱浙谭”5期。“爱浙谭iZJEers Talk”系列座谈会旨在通过邀请名家名师和学院师生交流对话，提分享多元化的知识与见解，共同剖析行业趋势，为学院师生分享前瞻性思考及独具视角的观点，助力师生科研与生涯规划、引领人生理想价值。

5 iZJEer Talks have been held in 2024. These talks aim to facilitate the democratic management channels within ZJE through in-depth face-to-face exchanges between the executive team and students, faculty, and administrative team, build a solid foundation for ZJE's development, and help ZJEers grow rapidly.

21期：从学术界到工业界-来自学姐的TALK

【FROM ACADEMIA TO INDUSTRY: ALUMNI INSIGHTS】

20期：ZJEER的梦想蓝图：立大志、明大德、成大才、担大任

【ZJEER'S DREAM VISION】

19期：懂些心理学，激活“心”力量

【UNDERSTANDING PSYCHOLOGY: UNLOCKING THE POWER OF THE MIND】

18期：中国医疗大健康产业发展的机遇与挑战

【OPPORTUNITIES AND CHALLENGES IN THE DEVELOPMENT OF CHINA'S HEALTHCARE AND MEDICAL INDUSTRY】

17期：发展新质生产力：生物医学领域的机遇与职业发展

【DEVELOPING NEW QUALITY PRODUCTIVE FORCES: OPPORTUNITIES AND CAREER DEVELOPMENT IN THE BIOMEDICAL FIELD】

“名企走访”全球职业胜任力系列活动 INDUSTRY VISIT

本年度学院师生前往罗氏诊断、华大基因、阿里云、西湖大学进行走访活动，鼓励同学们将课堂所学与行业实践相结合，提升全球职业胜任力，助力生涯规划。

This year, ZJE organized visits for faculty and students to Roche Diagnostics, BGI Genomics, Alibaba Cloud, and Westlake University, encouraging students to combine their classroom knowledge with industry practice, enhance their global professional competence, and support their career planning.



“ACT”系列讲座 ACT TALK

本年度举办ACT系列讲座6期，涵盖海外留学经验，推免经验，科研经验，PhD申请面试经验，企业宣讲等内容，精准对接学生生涯发展需求，为就业质量提供保障，累计参与人数达400余人。

This year, ZJE organized 6 ACT seminars, covering overseas study application experience sharing, exam-exempted application experience sharing, and corporate publicity, which attracted more than 400 people to participate, precisely meeting the needs of students' career development and guaranteeing the quality of employment.

2024.1.17 PhD面试秘籍等你来拿

PhD Interview Tips

2024.3.27推荐免试研究生经验分享会

Recommendation-Exempt Graduate Applicants Experience Sharing Session

2024.4.24本科生科研经验分享会

Undergraduate Research Experience Sharing Session

2024.4.26北京生命科学研究所以招生宣讲

Beijing Institute Of Life Sciences Admissions Seminar



2024.5.22优秀毕业生经验分享会

Outstanding Graduate Experience Sharing Session

2024.11.6 2024海外留学经验分享会（北美专场）

Overseas Study Experience Sharing Session (North America)

2024.12.11 2024海外留学经验分享会（英国专场）

Overseas Study Experience Sharing Session (UK)

Biomed-X Research Seminar

为打造学院学术品牌，本年度线上线下学术交流活动稳定开展。全年学院共举办15次Biomed-X系列等学术分享活动，邀请到来自海内的知名专家学者分享自己科研领域显新进展。

Biomed-X Research Seminar aims to establish an exchange platform for ZJE faculty and students, and to promote research cooperation and arouse research inspiration. A total of 15 seminars were held this year

- 2024.03.25

Prof. Guangshuo Ou

Tsinghua University

Topic : Hyperactive Protein Responses And Functional Residuomics In Cilia
- 2024.04.17

Prof. Shan Wang

The Stomatology Hospital, Zhejiang University School Of Medicine

Topic: Heterogeneity Of Epithelial Stem Cells In Inflammatory Pulmonary Disorders
- 2024.04.23

Prof. Shang Cai

Westlake University

Topic : An In Vitro Tissue Avatar To Model The Intricacy Of Mammary Gland
- 2024.05.08

Prof. Rong Fan

Department Of Biomedical Engineering, Yale University

Topic: Single Cell And Spatial Omics For Mapping Tissue Development And Disease
- 2024.05.10

Prof. Haitao Yang

ShanghaiTech University

Topic: Molecular Mechanisms Of SARS-CoV-2 Resistance To Nirmatrelvir And The Countermeasures
- 2024.07.01

Prof. Jun Wu

University Of Texas Southwestern, Medical Center, Dallas, United States

Topic: Stem Cells And Interspecies Organogenesis
- 2024.09.23

Prof. Eric Miska

University Of Cambridge, Wellcome Sanger Institute

Topic: The Role Of Epigenetics In Plasticity, Inheritance And Evolution
- 2024.09.24

Prof. Kunliang Guan

Westlake University, School Of Life Sciences

Topic: Serendipity And Inevitability In Scientific Discovery
- 2024.10.30

Prof. Liming Li

Southeast University

Topic: Recurrent Gene Flow Between Neanderthals And Modern Humans Over The Past 200,000 Years

- 2024.11.19

Prof. Chonglin Yang

Yunnan University

Topic ; Understanding Metabolic Damage Of Mitochondria
- 2024.12.02

Prof. Ping Wang

Tongji University

Topic : Amino Acid Sensing Mechanisms And Tumour Therapy
- 2024.12.10

Prof. Shou-Wen Wang

Westlake University

Topic : High-Resolution, Noninvasive Single-Cell Lineage Tracing In Mice And Humans Based On DNA Methylation Epimutations
- 2024.12.19

Prof. Chengchen Guo

Westlake University

Topic: Silk-Based Biomaterials: Structures, Processing, And Biomedical Applications
- 2024.12.27

Prof. Jun Yu

China National Center For Bioinformation

Topic : From Genes To Health: A 70-Year Effort And Its Future

