Introduction

What we offer

Academic excellence

We combine over 500 years of educational experience from two world-leading universities to create unique and innovative programmes.

Innovation

China has one of the largest growing economies in the world and is at the forefront of innovations in science and medicine.

World-leading research

Our programmes are underpinned by leading research from our international academic staff.

Study abroad opportunities

You will have the opportunity to complete short-term study breaks and research placements at Universities all over the world.

*A warm welcome to all potential students,

We are honoured that you are considering studying with us at the Zhejiang University-University of Edinburgh Institute. The Universities have a long-standing international focus, and our joint Institute builds on those strong traditions and reputations to ensure that we are best positioned to contribute to your personal and career development in the years ahead. This unique partnership provides a strong focus for both Universities’ considerable and broad-ranging strengths in biomedical research, learning and knowledge exchange.

The implications of the increasing pace of technological innovation on medicine are likely to be profound. Our programmes offer a myriad of opportunities for the next generation of graduates and academics seeking to prosper in and contribute to an increasingly interdependent world.

We hope students recruited onto these programmes will become the international leaders of tomorrow. Globally there is a huge shift in demand for ‘borderless’ education for which you, on this programme, are pathfinders. There is nothing that you cannot do and cannot achieve with our support and mentorship. All that is needed is strong commitment, engagement and ingenuity from all of us to get you to where you want to be.*

Prof. Sue Welburn
Executive Dean
The University of Edinburgh

Influencing the world since 1583

For more than 400 years the University of Edinburgh has been changing the world. Today, we continue to make our mark, with world-leading experts educating the pioneers of tomorrow.

Top 20 in the world

We’re consistently ranked one of the top 50 universities in the world. We’re 18th in the 2019 QS World University Rankings. We’re ranked fourth in the UK for research power, based on research quality and breadth.
Zhejiang University (浙江大學), is a national university in China. Founded in 1897, Zhejiang University is one of China's oldest and most prestigious institutions of higher education.

**Top 3 in China**

It is a member of the C9 League, the Yangtze Delta Universities Alliance and the Association of Pacific Rim Universities. It is currently ranked among the top three institutes in China.
Zhejiang University - University of Edinburgh Institute

**International education**

At ZJE, you will find an international community of learners, training to be the future leaders in biomedical sciences and biomedical informatics. You will work and live in our brand new International Campus in Haining with like-minded students from across six programmes and two institutes. You will have the opportunity to make connections from all over the world, not just with your fellow students, but with our international faculty and administration staff.

**Growing city**

Haining sits within Zhejiang Province, under the jurisdiction of Jiaxing. It is only 125km from bustling Shanghai and 60km from the beautiful Hangzhou. It is a growing city, with its growing international community.
Why Choose Us?

Dual degree
All of our undergraduate students are eligible for two degrees: a Bachelor of Science (Hons) from The University of Edinburgh and a Bachelor of Science from Zhejiang University.

Create your own experience
You will have real opportunity to influence the future of the Institute, as well as the International Campus as a whole. We encourage our students to take their passions and make them into realities: create your own society, join the student council, volunteer in campus activities, create your own unique experience.

Make connections
At the International Campus you will be living alongside students from all programmes and institutes. Over 30% of our students are international, from 28 countries all over the world. The relationships you build at the Institute will provide a social and academic network that can serve you for life.

Improve your language skills
All of our programmes are taught entirely in English. You will improve your communication skills across your tutorials, group work, presentations and discussions, while also learning Chinese language in dedicated classes.

Career prospects
With the global job market more competitive than ever, students who have completed study abroad are highly sought after.
Our Campus

Accommodation
All students on campus will live in one of our four residential colleges. You will be provided with a private, single room which has storage, a desk and a bed. You will have shared bathroom and kitchen facilities.

Sports facilities
There are a large number of sporting facilities on campus including badminton courts, table tennis, basketball courts, football pitches and more. You can book these facilities for personal use at any time.

Library
As a student of ZJE you will have access to a wide range of library resources, from books and journals to electronic databases and articles.

Campus clinic
There is a medical clinic on campus that offers simple medical services to faculty and students. They are open for emergencies 24 hours a day. We also have security services, police and fire services on campus.

Food services
Our campus currently has three food areas: our main canteen, a Halal restaurant, and our fusion café. There is also a small supermarket on campus.
Find out for yourself what is like to live and study with us in Haining

Everyone is welcome to visit our campus at any time.

Open days

You could choose to attend one of our open days, we’ve welcomed prospective students, their families, teachers and careers advisers in the past. Open days provide the opportunity to:

• Attend subject-specific talks
• Speak to current students and staff
• Explore the campus
• View our facilities

Virtual open days

We also hold virtual and live open days through social media. Find out the latest events on our website.
Welcome to our joint institute for the study of Biomedical Sciences

While studying with ZJE, you will be part of the elite network of students from The University of Edinburgh Medical School and Zhejiang University School of Basic Medical Sciences.

Edinburgh Medical School

Edinburgh Medical School was established in 1726, and was the pre-eminent medical centre of the 18th and 19th centuries. Today retains its status as a top-choice destination for students entering the medical profession. Our programmes in biomedical sciences and biomedical informatics offer life-changing opportunities.

Zhejiang University School of Basic Medical Sciences

The school has a large number of talented faculty members including academics of the Chinese Academy of Sciences, outstanding teachers of Zhejiang province as well as 82 professors and associated professors.

Researchers in the School of Basic Medical Sciences are leaders in basic and translational biomedical research, especially in oncology, metabolic syndrome, neuroscience and mental illness, medical molecular biology, stem cell and regenerative medicine and genetic areas such as genomics.

Undergraduate admissions:
E: zje_apply@zju.edu.cn
T: +86 571-87572813
W: http://zje.intl.zju.edu.cn

Programmes

11. BSc Integrative Biomedical Sciences
12. BSc Biomedical Informatics
15. PhD Dual Degree Biomedical Sciences
Introducing Biomedical Sciences at ZJE

Understanding the functioning of the human body at molecular, cellular, organ and system levels in health and disease is the ultimate aim of biomedical sciences. Biomedical scientists integrate knowledge gained by research across a range of related disciplines and apply it in the analysis of disease mechanisms.

The research biomedical scientists carry out is fundamental for new developments and innovation in disease diagnosis, treatment and prevention. Biomedical scientists develop individual scientific, experimental and critical skills that can facilitate major contributions to improvements in human health and the treatment of illness.

Our approach

The aim of our programmes is to produce future world leaders in Biomedical Sciences and Biomedical Informatics.

To achieve this, we use a range of learning and teaching approaches that develop your knowledge and skills to:

- Recognise the importance of research in the development of medicine and good health
- Understand how advances in knowledge result from scientific investigation
- Evaluate and discuss contemporary issues in biomedicine and bioinformatics
- Understand and apply cutting-edge experimental approaches
- Independently research and analyse contemporary questions in biomedicine and bioinformatics

Academic advisors

You will be assigned a personal Academic Advisor during your studies, who will help guide you on all academic and pastoral issues. They will be your first point of contact and advise you on appropriate course selection, help review your progress and deal with any academic issues you may have. Your class tutors will also be available to help with academic issues during your tutorials, lecture or practical’s.

Study abroad opportunities

During your programme, you will have the opportunity to apply for a summer study abroad scholarship. You will complete up to 12 weeks and two sessions of research work in labs all over the world, including The University of Edinburgh.

How you’ll learn

Lectures

Lectures are whole group sessions where our experienced faculty will give presentations on a specific topic. You will usually be expected to take notes during the lecture and complete further research on the topic during your self-study time.

Tutorials

Tutorials are an opportunity for you to work together in smaller groups. During these sessions, you will discuss the lecture themes in further detail, complete group work and discuss and debate topics with your peers.

Practicals

Practicals will normally involve working in the laboratory. Here, you will put what you have learned in the lectures and tutorials into practice by planning and executing experiments. The topics of the practicals will depend on your chosen course.

Self-study

You will also be expected to complete sessions of self-study. During this time, you will research your topics in further depth, read additional resources, and complete your course assignments.
Programme overview

Biomedical sciences involves the study of the processes behind human health and disease, and developments in the field drive and guide improvements in medical practice. Our biomedical programmes have a common structure in Years 1 and 2 that provides a firm grounding in the knowledge, understanding and skills required for our specialist disciplines of infectious diseases, neuroscience, pharmacology, physiology and reproductive biology. In Years 3 and 4, you will focus on exploring your chosen discipline in depth.

You will be taught within an internationally respected research environment and will have the opportunity to work with our research groups.

Integrative Biomedical Sciences is a multidisciplinary degree programme that provides opportunities to investigate biomedical sciences in the 21st century. The core structure of the programme provides the knowledge, skills and personal and professional development appropriate to meet the needs of a future career as a leader in biomedical science. The programme provides opportunities to develop skills and knowledge in the biomedical, physcio-chemical and clinical sciences.

English taught

Our programmes are taught entirely in English. All Chinese national students will complete dedicated English classes, while our International students will take Chinese language classes.

Career opportunities

Graduates enter employment that requires an understanding of biomedical processes and the ability to research using scientific literature and other data sources. These careers include laboratory research, disease diagnosis, and scientific publishing.

Year one

The first year covers the importance of biomedical sciences to medicine and health. You will learn about fundamental concepts in biomedical sciences, the structure and functions of the major organ systems, and key concepts in molecular and cell biology. It also aims to promote a positive and inquisitive attitude to science and medicine while promoting independent, self-motivated learning.

Year two

You will build on your knowledge and skills, learning about the theory and practice of techniques in basic and applied biomedical science research, key concepts in biology like development, evolution, and the genetic basis of life, further study on important body systems, modern human molecular genetics, and the fundamental characteristics of microorganisms involved in human disease.

Year three

You will continue to develop the attributes of a biomedical scientist – depth and breadth of knowledge, analytical and critical skills, communication, and research and enquiry. There is a strong practical component in Year 3, designed to hone your laboratory skills and your understanding and application of experimental design.

Year four

In the final year, you will take a selection of courses to extend and reinforce your knowledge, critical and communication skills, and elective courses that discuss cutting-edge topics in depth. In addition, with one-to-one supervisor support, you will complete a major research project that involving original laboratory-based research.

Course selection

You will have the opportunity to choose courses throughout your studies which are more specific to your career interests. Please visit our website for the most up to date course listings.
Biomedical informatics encompasses the study of information and computation in biology and health. Researchers in this area create computational tools to manage, share and study information and generate knowledge from biomedical data.

The first year of the programme is an exciting exploration of the application of biomedical informatics, facilitating student development in the key areas of biomedical sciences.

Student support will be focused on the key provision of staged feedback and assessment practice.

Tutorials based around developing keynote themes will promote skill development in: how to research a subject; academic writing; making lecture notes; effective reading; understanding expectations in addition to allowing development of an understanding of how skills that promote learning in a group format can facilitate the development as an independent learner.

In the first year, the programme provides an introduction to Biomedical Informatics while developing the underpinning knowledge and skills in Biomedical Sciences and Cell/Molecular biology alongside key requirements in Mathematics/Statistics and Chemistry that are requirements for all students studying at ZJU.

In year 2 the focus is on building foundational knowledge in Biomedical Informatics and data science, and linking through to physiology, genetics, genomics and proteomics through specific courses such as Database & Software Technology and Genomics & Proteomics.

In year 3 you will explore computational and systems biology approaches and understanding Human disease through biomedical informatics approaches with courses such as Computational & Systems Biology and Biomedical Informatics 3. You will also choose two elective courses. Year 3 aims to be an exciting exploration of the application of biomedical informatics to biomedical sciences, facilitating student development by learning from experiment in key areas for application.

In year 4, you will focus on key compulsory courses and optional electives in Biomedical Informatics including a project where Biomedical Informatics approaches are applied to a research question. You will also complete a research project in practical informatics applied to a medical, biological or chemical settings, a project portfolio and a project preview dissertation.

You will have the opportunity to choose courses throughout your studies which are more specific to your career interests. Please visit our website for the most up to date course listings.
Undergraduate applications and admissions advice

Where to apply

http://zje.intl.zju.edu.cn

Entry requirements overview

http://zje.intl.zju.edu.cn/en/admission/entry-requirements

How to apply

All applications should be made through our online admissions portal. Please log onto our website and select ‘apply now’

1. You should complete all sections of the online form.

2. Provide a personal statement detailing why you feel you are suitable for this programme.

3. Upload two academic references, these could be from your teachers or personal tutors.

4. Upload your documents including transcripts, education certificates, passport scans. Now simply submit! We will be back in touch with you within 45 days with a decision.

When to apply

Applications for September 2019 entry can be submitted from October 2018 until 15 June 2019. We advise that you apply as early as possible to ensure we have adequate time to check your application.

How we process applications

When you submit your application, a member of our admissions team will first screen your application to make sure you have completed it correctly and no information is missing.

You will receive notification that your application has been screened and if all information is correct. Your application will then be sent to the relevant team for review.

How we select students

At least two members of our academic team will review every application against our agreed criteria. Applicants who have met, or are predicted to meet, our entry requirements are entered into the selection process. This includes consideration of your academic qualifications, the information contained in your personal statement and references and any other data and information considered in our approach.

Entry requirements and making an offer

Our entry requirements are set to the academic standard we require you, either:

- To have already achieved, to be considered for an unconditional offer of a place of study or
- To be capable of achieving, to be considered for a conditional offer of a place of study

If you meet all of our entry requirements and your personal statement, references and supporting materials are suitable, we will make you an offer of place:

A conditional offer usually means that you are still waiting for qualification certificates or other supporting documents. If we offer you a conditional place, you will be required to provide us with the additional documentation before we can accept you onto the programme.

An unconditional offer means that you have direct entry onto the programme. If you get an unconditional offer, you should try to accept your offer as soon as possible.

Sending us your documents

As part of the regulations in China, we require you to complete an online form for Zhejiang University and also send copies of your supporting documents via mail to our offices. Our helpful admissions team will direct you on how to do this once you receive your offer.
Programme overview

Understanding the functioning of the human body at molecular, cellular, organ and system levels in health and disease is the ultimate aim of biomedical sciences. Biomedical scientists integrate knowledge gained by research across a range of related disciplines and apply it in the analysis of disease mechanisms.

The research biomedical scientists carry out is fundamental for new developments and innovation in disease diagnosis, treatment and prevention. Biomedical scientists develop individual scientific, experimental and critical skills that can facilitate major contributions to improvements in human health and the treatment of illness.

Our 4 Year Dual award PhD in Integrative Biomedical Sciences is a training programme focused on common human diseases, the goal of which is to advance knowledge, expertise, and skills by bridging the gap between fundamental biomedical science discoveries through to translation in humans. By ‘Training to Translate’, this programme draws on unique research strengths in biomedical sciences from The University of Edinburgh and Zhejiang University.

PhD supervisor

In the first year, you will have a single contact (PhD Academic Advisor), until you are registered with your PhD project supervisor. Subsequently, you will have a Thesis committee, including the primary and co-supervisor, and Thesis Chair for the duration of your PhD.

We will provide a list of up to date potential supervisors on our website. Please search the PhD programme page for more information.

Year one

You will participate in twice-weekly classes, workshops and tutorials with academics from disciplines that span biomedical disorders of the life-course. You will be instructed in the range of disorders that affect humans during the life-course and be exposed to the key methodological techniques that underpin research in these areas.

You will also be working on your PhD project which will count towards 30 credits in this year.

Years two and three

You will participate in regular tutorials, seminars, workshops and visits to translational laboratories/clinics to further your understanding of translation of fundamental biomedical research. Activities are core elements of the course and attendance will be monitored and repeat non-attendance may result in penalties.

You will continue to work on your PhD project, counting towards 160 and 170 in years two and three.

Year four

PhD Project, which will count towards 180 credits in this year.

For the 4-year PhD in Integrative Biomedical Sciences you will be required to undertake a 540 credit 3-year PhD project plus an additional 180 taught credits spread over 4 years. You will enroll as a PhD student on this integrated PhD programme from the outset.
Postgraduate applications and admissions advice

Entry requirements overview
http://zje.intl.zju.edu.cn/en/admission/entry-requirements

How to apply

Our PhD applications are made directly to the University.

1. You should contact a potential supervisor and ask them to complete a supervisory form. You can find the most up to date supervisor list on our website.

2. Once your supervisor has agreed and returned the form, you should complete your application on the University website. You should then print and sign the application form.

3. You should send your application form, supervisory document and your transcripts, references, passport scans, degree certificates to the University via post and by email to our Postgraduate Administrator.

4. Our Postgraduate Administrator will then be in touch to keep you up to date with the progress of your application.

When to apply

Applications for September 2019 entry can be submitted from October 2018 until 15 May 2019. We advise that you apply as early as possible.

How we process applications

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You will receive notification that your application has been screened and if all information is correct. Your application will then be sent to the relevant team for review.

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Our entry requirements are set to the academic standard we require you, either:

• To have already achieved, to be considered for an unconditional offer of a place of study or

• To be capable of achieving, to be considered for a conditional offer of a place of study

If you meet all of our entry requirements and your personal statement, references and supporting materials are suitable, we will make you an offer of place:

A **conditional** offer usually means that you are still waiting on some qualification certificates or other supporting documents. If we offer you a conditional place, you will be required to provide us with the additional documentation before we can accept you onto the programme.

An **unconditional** offer means that you have direct entry onto the programme. If you get an unconditional offer, you should try to accept your offer as soon as possible.

Sending us your documents

As part of the application process, you are required to send us your documentation. You can find full details of the correct posting address on our website. You will also find further details about our PhD programme, entry requirements and scholarships opportunities.
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Contact us

If you have any questions about entry requirements or programme information, please contact:

Email: zje_apply@zju.edu.cn.
Telephone: +86 571 87572813

Website

You can also visit our website for further information on studying with us, application procedures, fees and scholarships or our programmes.