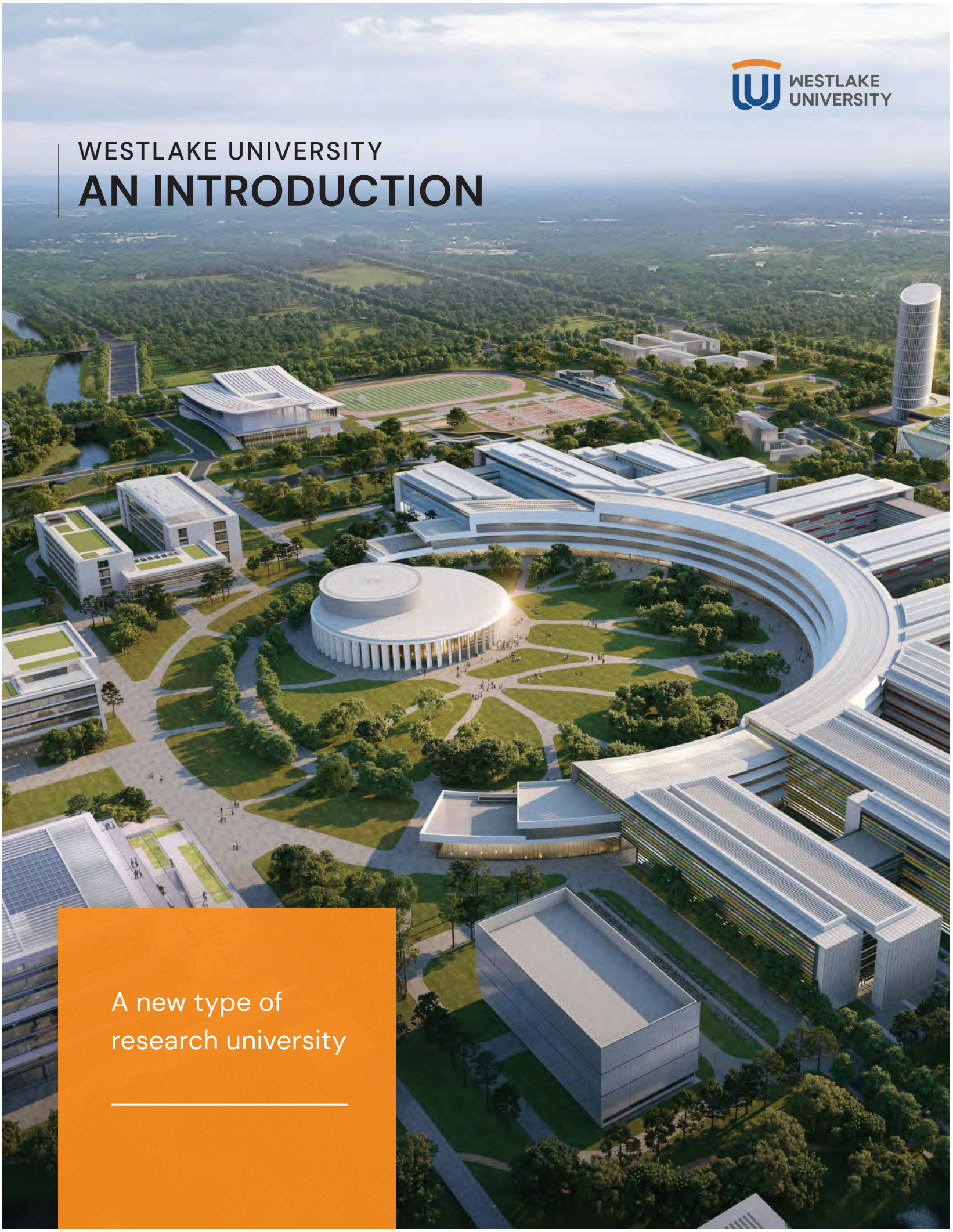
WESTLAKE UNIVERSITY

WESTLAKE UNIVERSITY
AN INTRODUCTION



A new type of research university

A new type of research university

Excellence

Refinement

Research-oriented

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Message from **the President**

This century, humanity faces challenges that transcend language, culture, and geopolitics, and only when our efforts transcend these too can we meet those challenges head on.

Westlake University is committed to our founding mission of becoming a global leader in frontier scientific research and a reformer in higher education. We are making all necessary preparations to take on the greatest challenges facing humanity in the 21st century and vow to find scientific and technological solutions.

Westlake is a new university. Our youth and vigor present us with opportunities to be a reformer and to develop new and innovative ways to lead. So far, Westlake University has done just that, launching new initiatives, forming new partnerships, drafting new policies, and building new facilities. These efforts have laid the foundation for us to pursue our mission and will strengthen our university for generations to come.

It is our people that breathe life into our community and make up the soul of Westlake University. The potential of any institution is measured by its human capital. We are recruiting exceptional talent from around the world, with outstanding scientists joining us from top institutes globally. Our team of administrators work hard to ensure our scholars and students enjoy the best environment to be empowered and inspired. Our diverse body of graduate students continues to grow and thrive, and we look forward to launching a leading undergraduate program in the near future.

The construction of our stunning Yungu Campus represents our commitment to provide a modern, functional and beautiful campus for our international community of educators, students, and staff to call home. We are confident that Yungu Campus will act as a benchmark within China and globally, with quality facilities, balanced lifestyle options, and a design worthy of Hangzhou's exquisite natural beauty and rich cultural heritage.

COVID-19 has dominated the headlines around the world and presented humanity with its greatest threat in a generation. This tragedy demands a united response from the global scientific community, and we should be tremendously proud of the tireless work of the medical workers and scientists who have done just that. Westlake University is now committed to building our Center for Infectious Disease Research. During the initial outbreak, our Westlake scientists returned early from their Spring Festival holiday to take on this malignant virus. Their incredible work resulted in key discoveries which revealed the secrets of the viral infection and host response, constituting significant contributions to the global fight against COVID-19.

We remain steadfastly committed to our goals and our pledges to our community, our society and the global community. It is with that in mind that we look to the horizon and continue in that pursuit.

Thank you for your interest in our community here at Westlake University!
Warmest regards,

Yigong Shi
President of Westlake University

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About **Westlake**

Yungu Campus at night

Established in 2018, Westlake University is **a new type of research university**, **a first in the history of modern China**. We enjoy strong public support and aim to be a reformer in our higher education system. Founded by prominent scientists and scholars, Westlake University is committed to building a truly international, world leading, research-focused university.

Westlake University is **based in Hangzhou**, **a stunning city** well-known throughout Asia for its long history, rich culture, fine arts, delicious cuisine, and beautiful scenery.

Westlake University's namesake, Hangzhou's West Lake

Westlake University is **a diverse community** consisting of excellent and globally leading faculty, enthusiastic and strongly motivated students, professional researchers and staff, and generous friends and supporters.

Freshly enrolled students gathering for the opening

Westlake University is **a state-of-the-art facility for education and research with a beautiful campus**. Designed by German company HENN GmbH, it offers a gorgeous and comfortable learning environment connecting people and ideas.

Auditorium

Westlake University is **an international university**: We exemplify the highest international standards in higher education, and our systems and methods endeavor to adopt the best practices of leading universities worldwide. Chinese and English are both official languages on campus. Except for Chinese classes, students can complete their degree in English.

Chair Professor Mohamad Sawan during a class

Bird's-eye view of the Academic Ring at Yungu Campus (Rendering)

WESTLAKE UNIVERSITY

Finally, and perhaps most importantly, **Westlake University is a bridge**: a bridge between East and West, between the present and the future, between China and the world. This idea encapsulates our values and goals and is literally incorporated into our logo and the physical design of our campuses.

We were founded by a group of leading Chinese academics who established their professional careers abroad. Westlake University strives to serve the global community and promote developments for the common good of all humanity.

[OUR MISSION]

The 21st century may well pose some of the most complex and pressing challenges that humanity has ever faced. These tremendous challenges transcend national borders. We all face them together and must tackle them together. At Westlake University, we recognize our responsibility to cultivate the next generation of thinkers, inventors, and leaders from all over the world to push forward scientific and technological innovation, navigate increasingly uncertain waters, and take on the opportunities and challenges that we all face.

At Westlake University, we are building a truly international university based in Asia. This means embracing international best practices and global standards in teaching, research, intellectual property rights, student admissions, faculty promotion, and university governance. We guard the intellectual freedom of our students and faculty and provide them with state-of-the-art facilities and support so they can pursue their ideas. We welcome the best from all around the world to join us.

School of Science

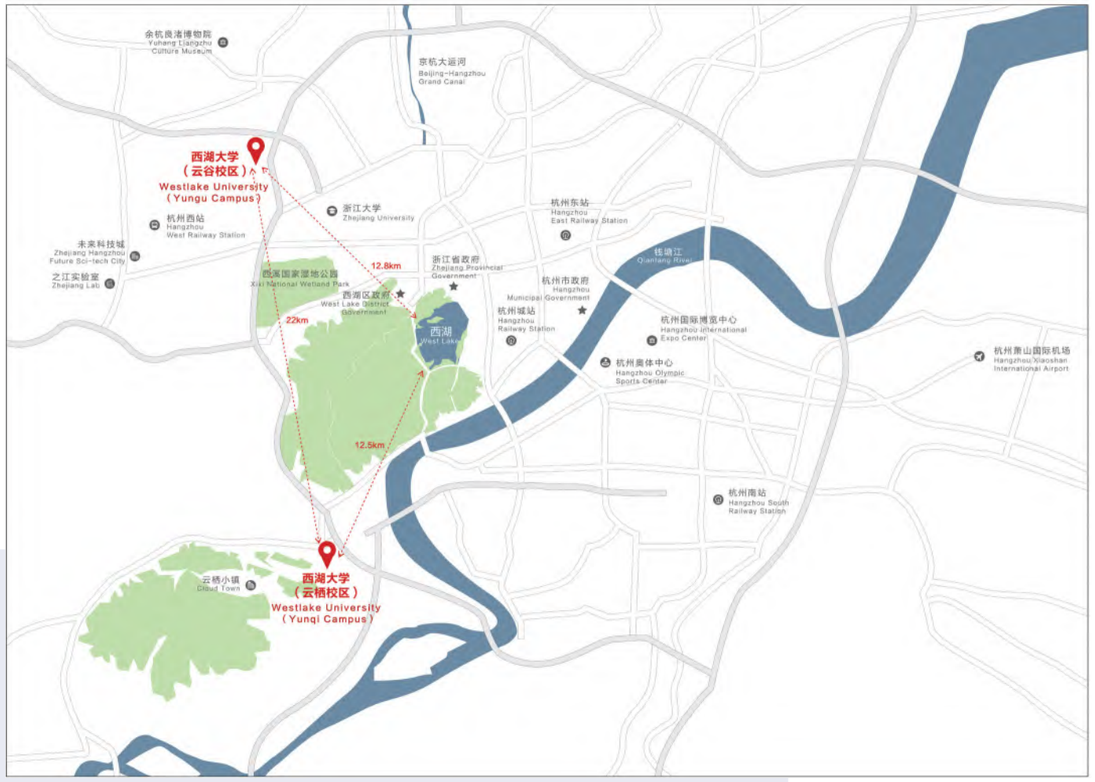
[OUR SYSTEM]

We are the first research university in modern China to be funded by philanthropy. With a board of trustees which includes leading scholars from around the world, we emphasize academic freedom, research excellence, interdisciplinary engagement, and international collaboration. We recognize the importance of sound governance in building an outstanding university. Encouraging innovation is a cornerstone of our philosophy. At Westlake University, academic assessment evaluates the extent to which research is at the forefront of science and technology, and whether the work truly contributes to progress in the relevant field. This way of assessment and thinking is being built into our campus culture. Please see Section—GOVERNANCE, ORGANIZATION, AND FUNDING for more information.

[OUR LOCATION]

We are located in the beautiful and ancient city of Hangzhou, where the traditional and the ultra-modern blend to create a place like no other. Less than an hour from Shanghai by high-speed rail, Hangzhou is one of the greenest cities in China with lush tea hills, sparkling rivers, and romantic bamboo forests.

Hangzhou has also emerged as a symbol of openness and innovation boasting some of Asia's largest technology startup companies. With a global outlook, we are proud to have our roots in a gorgeous region of a nation with a long and rich cultural heritage and educational tradition.



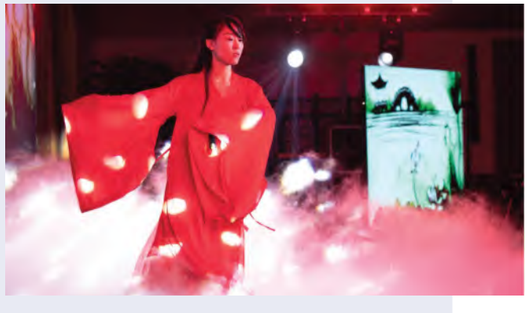
Student Center at Yungu Campus (Rendering)

[OUR CAMPUS]

We have built one of the most stunning, sustainable, and multifunctional campuses in the world for our Westlake community. With approximately 300 state-of-the-art independent laboratories for outstanding researchers, Yungu Campus not only boasts some of the best facilities in the world for research, exploration, and interdisciplinary engagement, but also a campus specifically designed with quality of life in mind. More information can be found in Section—CAMPUS LIFE.

[OUR COMMUNITY]

Westlake University has attracted top scientists and engineers from around the world who in turn have attracted talented and passionate students. People looking for a place to explore their ideas, push their research potential, learn and work with like-minded scholars, and contribute to the future of humanity, will find a home in our Westlake community.



Music festival performance by faculty, staff, and students

[OUR SUPPORTERS]

Westlake University has been made possible through the generous support of the public. Recognized as a much-needed pioneering force in domestic higher education reform, Westlake receives from the public sector both financial support and unprecedented levels of autonomy to build a university environment conducive to critical thought and debate, interdisciplinary scientific inquiry, and innovation. If you want to help us pioneer a new type of research university to explore, invent, innovate and contribute to the shared future of humanity, please contact us.

WESTLAKE EDUCATION FOUNDATION:

Phone: +87-571-85092901
Email: donation@wefoundation.org.cn

July 2019, WE Foundation organizes a science promotion group formed by doctoral students to support teaching in Taijiang County, Guizhou Province.

April 18, 2021, President Yigong Shi speaks at Westlake University Development Forum held in Chengdu, Sichuan Province.

October 12, 2019, chair professors naming ceremony held in Shenzhen. Li Deng, Executive Dean for the School of Science is appointed the first "XU Yiming Endowed Chair Professor of Westlake University".

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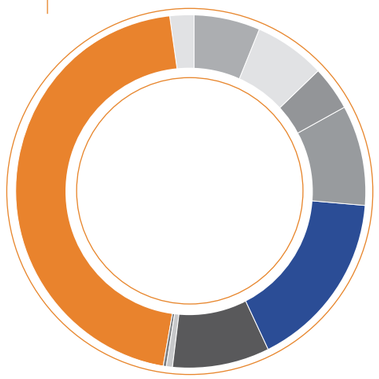
Facts and Figures

Since Westlake University was founded in 2018, it has attracted thousands of talented faculty, researchers, and students from around the world and has rapidly become a major powerhouse of innovation in science and engineering globally.

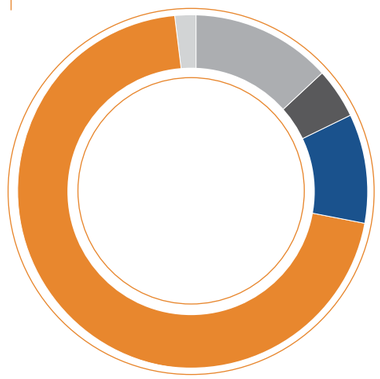
31 represented nationalities on campus (Feb. 2025)

Our 3,984 People
(Feb. 2025)



Faculty
Research fellows
Research facility employees
Postdocs
Lab assistants
Administrative staff
Teaching Faculty
Teaching Support
Doctoral students
Undergraduate students

Our 246 Faculty
(Feb. 2025)



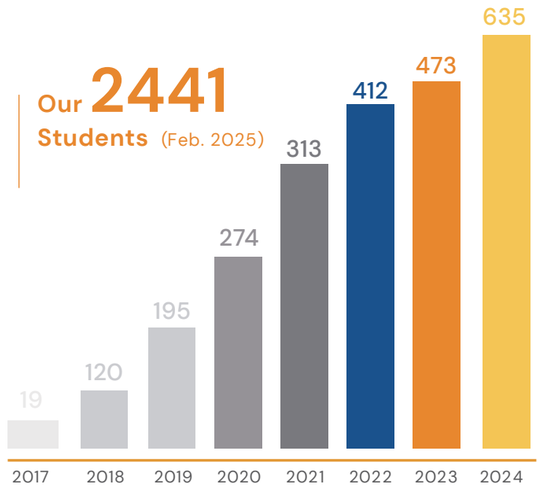
Chair professors
Full professors
Associate professors
Assistant professors
Westlake Fellow

2 Campuses

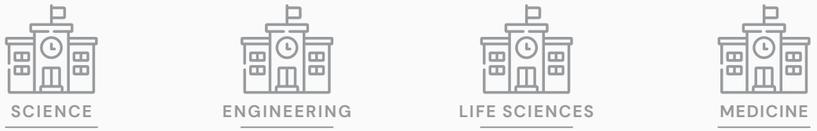
Yunqi Campus: 16 acres
(≈65,000 m²)

Yungu Campus: 227.3 acres
(≈920,000 m²)

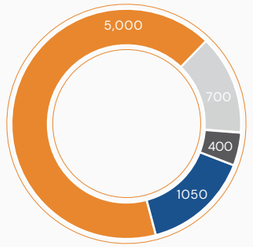
Our 2441 Students (Feb. 2025)



4 Schools



In the future we will have:



5,000 students (3,000 doctoral students, 2,000 undergraduates)
400 faculty
700 postdoctoral researchers
1050 staff

8 Ph.D. programs:

Biology
Chemistry
Physics
Mathematics
Materials Science and Engineering
Electronic Science and Technology
Computer Science and Engineering
Environmental Science and Engineering

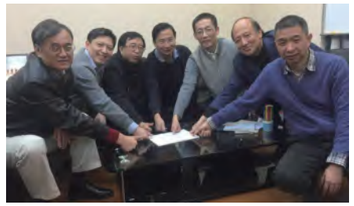
7 Undergraduate programs:

Biology Sciences
Chemistry
Physics
Electronic and Information Engineering
Materials Science and Engineering
Mathematics and Applied Mathematics
Artificial Intelligence

[MILESTONES OF UNIVERSITY ESTABLISHMENT]

MAR 2015

Seven prominent individuals—Yigong Shi, Shiyi Chen, Jianwei Pan, Yi Rao, Yingyi Qian, Hui Zhang, and Jian Wang—submit a proposal to the central government to establish a new type of research university and receive endorsement.



DEC 2015

Westlake Institute for Advanced Study registered as the predecessor for Westlake University.

AUG 2017

The Zhejiang Provincial Government approves the establishment of Westlake University.

FEB 2018

Westlake University is established with the approval of the Ministry of Education.

OCT 2018

Westlake University holds its founding ceremony in Hangzhou, Zhejiang.

OCT 2021

Westlake University's Yungu Campus officially opened.

JUN 2015

The Strategic Cooperation Agreement on the Establishment of Westlake University is signed.

JUL 2015

Westlake Education Foundation registered as the fundraising vehicle of Westlake University.

DEC 10th 2016

The founding ceremony for the Westlake Institute for Advanced Study is held in Hangzhou, Zhejiang.

APR 2018

The first meeting of the First Board of Trustees of Westlake University takes place. Yingyi Qian serves as the Chair. Yigong Shi is appointed the first President of Westlake University.

Construction of Westlake University's Yungu Campus begins.

NOV 2023

Westlake University School of Medicine was established, and Affiliated Hangzhou First People's Hospital was officially unveiled.

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Governance, Organization, And Funding

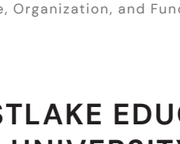
President Yigong Shi speaking at university event

Westlake University is primarily funded through the **Westlake Education Foundation**, established in 2015. The university is headed by the **University President** under the guidance of a **Board of Trustees** and advised by an **Advisory Board**. The University President leads the **Administration** which supports education and research missions, whereas the University Council plays an important role in the decision-making and management of the university. Academic and research functions are carried out by our four **Schools** : School of Science, School of Engineering, School of Life Sciences,and School of Medicine . Academic and research strategies and planning, compliance, and program review is led by an **Academic Committee** composed of leading faculty.

[WESTLAKE EDUCATION FOUNDATION AND UNIVERSITY FINANCING]

In addition to philanthropic support, Westlake also receives revenue from public funding, competitive research grants, and faculty and researcher fellowship programs.

Donations and Other Types of Philanthropic Support



University Revenue

Public Funding

Faculty and Researcher Fellowship Programs

Competitive Research Grants

[BOARD OF TRUSTEES]

The Board of Trustees plans, reviews, and approves all major strategies of the University. The Board of Trustees consists of eminent scholars, donors, industry leaders and entrepreneurs from around the world, and university leadership, faculty, staff, and student representatives. On April 16, 2018, the Founding Board of Trustees was established for a term of four years. On April 17, 2022, the Second Term of the Board of Trustees was elected.

Professor and Nobel Laureate Chen-Ning Yang serves as Honorary Chair. Yingyi Qian, the 4th Dean of the School of Economics and Management and Distinguished Professor of Arts, Humanities and Social Sciences at Tsinghua University, serves as the Chair of the Board of Trustees. Yinglin Qin, Chair of Muyuan Food, serves as the Vice Chair of the Board of Trustees.

Honorary Chair:

Chen-Ning Yang	Academician, Chinese Academy of Sciences Nobel Prize Laureate in Physics

Current trustees:

Yingyi Qian (Chair)	Distinguished Professor of Arts, Humanities and Social Sciences, Tsinghua University Professor, School of Economics and Management, Tsinghua University
Yinglin Qin (Vice Chair)	Deputy to the 13th &14th National People's Congress (NPC) Vice President of All-China Chamber of Industry and Commerce (ACCIC) President of Henan Food Industry Association Vice Chairman of Henan Federation of Industry and Commerce Party Secretary and President of Muyuan Group Chairman of Muyuan Foods Co., Ltd. Chair, Westlake Education Foundation
David Baltimore	Judge Shirley Hufstedler Professor of Biology President Emeritus, Caltech Nobel Laureate in Physiology or Medicine
Chong Chen	Chairman, Guoqiang Foundation Board Member, Country Garden Group
Shiyi Chen	Chair Professor, Eastern Institute for Advanced Study, Ningbo, China Academician, Chinese Academy of Sciences Academician, the World Academy of Sciences for the Advancement of Science in Developing Countries (TWAS)
Yidan Chen	Core Founder, Tencent Founder, Wuhan College Founder, "Yidan Prize"

Yueguang Chen	Dean, the Academy of Chinese Culture Vice President, China Charity Alliance
Li Deng	Vice President, Westlake University XU Yiming Endowed Chair Professor, Westlake University Executive Dean of the School of Science, Westlake University Dean of Graduate Studies, Westlake University
Qingyuan Dong	Chairperson, University Council, Westlake University
Hailiang Feng	Founder, Hailiang Group President, Hailiang Mingde Institute
Jiaxing Huang	Chair Professor of Materials, Westlake University Editor-in-Chief, Accounts of Materials Research
Kuok Khoon Chen	Chair, Kerry Group Ltd.
Yucong Li	Member, the Second Term of the Graduate Committee and the Presidium of the Graduate Association, Westlake University
Jianwei Pan	Executive Vice President, University of Science and Technology of China Academician, Chinese Academy of Sciences Member, 14th National Committee of CPPCC Vice Chair, Central Committee of Jiu San Society
Yi Rao	Chair Professor, Peking University Co-Director, Chinese Institute for Brain Research, Beijing
Neil Shen	Founding & Managing Partner of HongShan (Sequoia China)
Jianjun Shi	Chair, DH Fund Management Co., Ltd. President, Zhejiang Financial Talents Association Executive Vice President, Zhejiang Financial Association Chair, Zhejiang Yangtze River Delta Capital Research Institute Director, Dunhe Foundation
Yigong Shi	President, Westlake University Academician, Chinese Academy of Sciences International Member, United States National Academy of Sciences Honorary Foreign Member, American Academy of Arts and Sciences Member, 14th National Committee of CPPCC Deputy Chair, China Association for Science and Technology

Zhong'an Shi	Chair, Zhong An Group Board
Bainian Shou	Executive Vice Chair, Greentown Holding Group
Ying Song	Professor, College of Pharmacy, Zhejiang University of Technology Member of the Professional Committee of Alternative Law, Zhejiang Toxicology Society Council Member of Zhejiang Pharmacological Society
Xiaoping Tian	Board Secretary, Westlake University Vice Secretary-General, Westlake University Director, Office of Human Resources, Westlake University
Jianlin Wang	Chair, Dalian Wanda Group
Xiao'an Wang	Chair, Zhejiang Donghaichao Industry Group Co., Ltd.
Xiao-Fan Wang	Donald and Elizabeth Cooke Professor of Experimental Oncology, Professor of Pharmacology and Cancer Biology, Duke University School of Medicine Member, the Advisory Board, Westlake University Co-Chair, the Scientific Advisory Committee, School of Life Sciences, Westlake University
Yiming Xu	Founder & Chair, DAYA Group
Dan Yang	Chair Professor in School of Life Sciences and School of Science, Westlake University
Lei Zhang	The Founder of Hillhouse Investment
Zhongcan Zhang	Vice Chairman, China International Tea Culture Institute Former Deputy Secretary of the Leading Party Group & Vice Chairman, Hangzhou Municipal Committee of the CPPCC
Xiaoyun Zhu	Vice President & Secretary-General, Westlake University

Senior Honorary Trustee:

Jia'er Chen	Chair Professor, Peking University Academician, Chinese Academy of Sciences

[ADVISORY BOARD]

The Advisory Board, serving as an advisory board for strategic development and major decision-making, is composed of prominent scholars from the academic and education management fields.

Our advisors in alphabetical order by family name:

David Baltimore	Judge Shirley Hufstedler Professor of Biology President Emeritus, California Institute of Technology Nobel Laureate in Physiology or Medicine
Tony F. Chan	Elected Member, US National Academy of Engineering 3rd President of the Hong Kong University of Science and Technology
Jia'er Chen	Former President, Peking University Chair Professor of Peking University Academician of the Chinese Academy of Sciences
Nicholas B. Dirks	10th Chancellor of the University of California, Berkeley President and CEO of the New York Academy of Sciences
Maurice Greenberg	Chairman & CEO, Starr Companies
Andrew D. Hamilton	16th President of New York University Member of the American Academy of Arts and Sciences
David Ho	Member of the American National Academy of Medicine Clyde and Helen Wu Professor of Medicine at Columbia University Vagelos College of Physicians and Surgeons
David W. Leebron	Member of the American Academy of Arts and Sciences 7th President of Rice University
Richard C. Levin	Member of the American Academy of Arts and Sciences 22nd President of Yale University
Arnold J. Levine	Member of the American National Academy of Sciences Professor Emeritus, Institute for Advanced Study, Princeton, New Jersey
Randy Schekman	Nobel Laureate in Physiology or Medicine Member of the American National Academy of Sciences University Professor in the Department of Molecular and Cell Biology in UC Berkeley Howard Hughes Medical Institute Investigator
En'ge Wang	Academician of the Chinese Academy of Sciences Former President, Peking University
Xiaodong Wang	Director, National Institute of Biological Sciences, Beijing Member of the American National Academy of Sciences Foreign Member of the Chinese Academy of Sciences Member, Science Committee of the Future Science Prize Founder, BeiGene
Xiao-Fan Wang	Foreign Member of the Chinese Academy of Sciences Donald and Elizabeth Cooke Professor of Cancer Research, Duke University
Xiaoliang Sunney Xie	Academician of the Chinese Academy of Sciences Lee Shau-kee Professor, Peking University
Chen-Ning Yang	Nobel Laureate in Physics Academician of the Chinese Academy of Sciences
Wei Zhao	Chair Professor and Chair of Academic Council at Shenzhen University of Advanced Technology 8th President, University of Macau
Zhongxian Zhao	Academician of the Chinese Academy of Sciences Academician of the World Academy of Sciences Director, Academic Committee, Songshan Lake Materials Laboratory Professor, Institute of Physics, Chinese Academy of Sciences

[UNIVERSITY PRESIDENT]

The University President is the top executive leader of the university. Professor Yigong Shi, a prominent academician and scientist who was formerly Warner-Lambert/Parke-Davis Professor at Princeton University and also served as a vice president at Tsinghua University, was elected the first university president by the Board of Trustees.

Chair Professor of Structural Biology

Honorary Foreign Member of the American Academy of Arts and Sciences

Foreign Associate of the United States National Academy of Sciences

Academician of the Chinese Academy of Sciences

Deputy Chair of the China Association for Science and Technology

Vice President of the Western Returned Scholars Association

[ADMINISTRATION]

Under the University President, a small team of vice presidents and associate vice presidents are appointed to manage the university-level administrative offices. Following international best practices, our administration is committed to providing our schools the best possible support and services.

Administration leadership, headed by President Yigong Shi

[SCHOOLS]

Westlake University currently has four schools: School of Science, School of Engineering, School of Life Sciences, and School of Medicine. Each school is headed by a dean supported by a school-level administrative team. The schools house independent research laboratories, multidisciplinary centers, and shared facilities. More information about each of these is contained in later sections.

[ACADEMIC COMMITTEE]

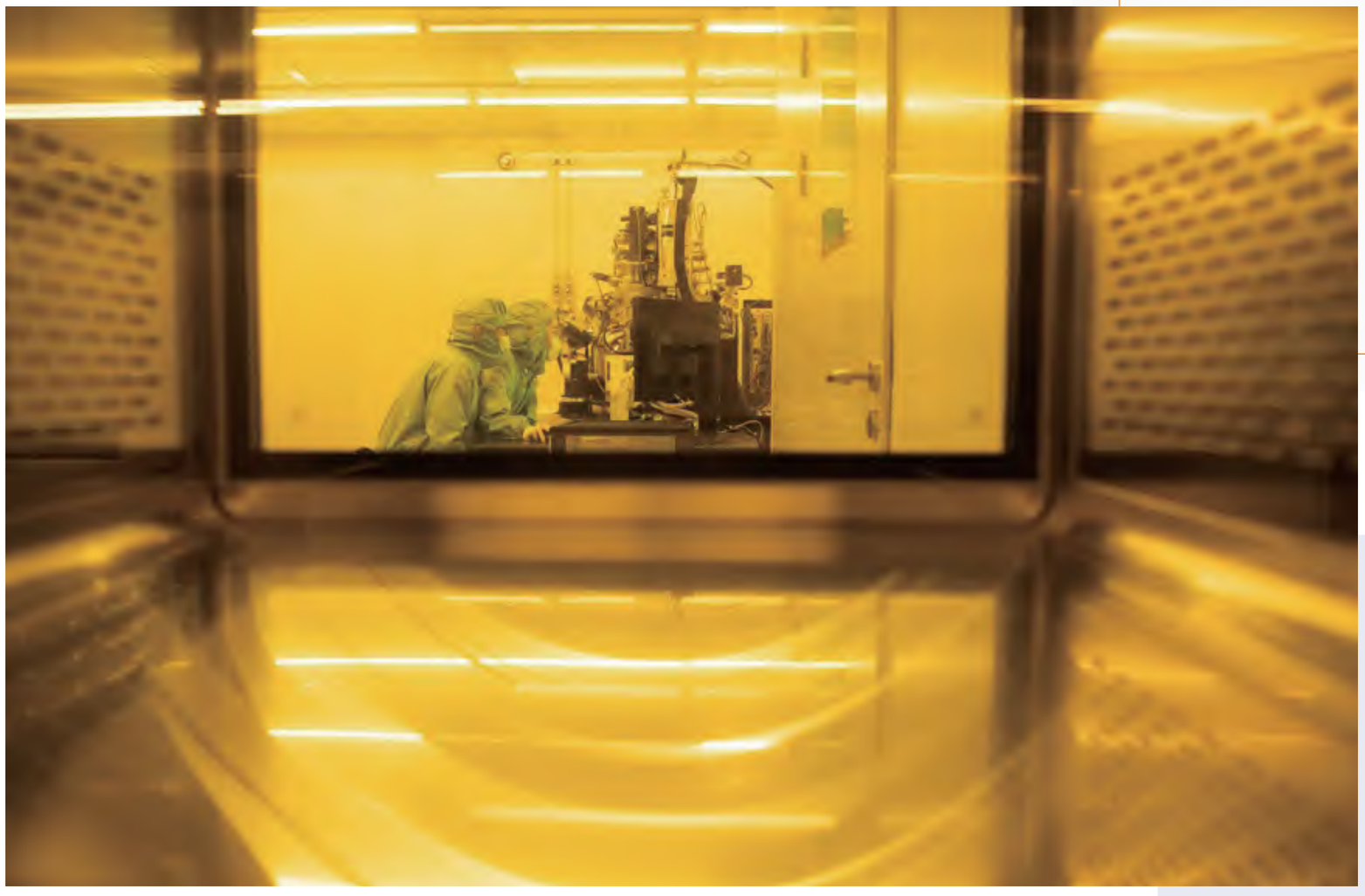
The Westlake University Academic Committee is responsible for academic issues, compliance standards, and academic planning.

[UNIVERSITY COUNCIL]

The University Council plays an important role in the decision-making and management of the university.

04

Research And **Facilities**



Westlake Center for Micro/Nano Fabrication

Westlake University is a research university with state-of-the-art experimental and computational facilities and equipment for our outstanding researchers.

[INNOVATION PLATFORMS]

Centers and institutes conduct focused and multidisciplinary research and facilitate university-wide exchange between individual faculty and laboratories as well as collaboration among universities, industries, hospitals, and other institutions. Key Laboratories are laboratories which receive directed funding and resources from the public sector under strategic programs. This section also introduces some of our research centers and institutes.

NATIONAL LEVEL PLATFORMS

National Key Laboratory of Gene Expression

The National Key Laboratory of Gene Expression, headed by Yigong Shi, was approved for establishment in 2025 and is based at Westlake University. The laboratory is committed to advancing human health and well-being by focusing on the cutting-edge of global science and technology. Its research efforts are strategically planned across two dimensions: discovery of fundamental scientific principles and breakthroughs in key technologies. By uncovering the fundamental principles of biological processes and promoting the development of new theories and technologies, the laboratory aims to establish a world-class platform for health and scientific innovation.

The laboratory's research centers on the central dogma of molecular biology, tackling major scientific and technological challenges such as genome maintenance mechanisms, molecular basis of gene transcription and translation diversity, and design and reconstruction of biomolecular modules. It aims to develop novel strategies for nucleic acid and protein drug development based on the underlying principles of life, with the goal of securing a leading position in the emerging biopharmaceutical industry. Through these endeavors, the laboratory will provide key core technologies to enhance the health and living standards of society.

Research Center for Industries of the Future (RCIF)

The Research Center for Industries of the Future (RCIF) at Westlake University is the first research organization of its kind in China. It explores new paradigms of technological innovation for the industries of the future. RCIF facilitates connections between curiosity-driven basic research, problem-driven applied research, and goal-driven translational research to broaden the impact of scientific discoveries on human society.RCIF leverages Westlake's strong in-house expertise in life sciences, medical research, physical sciences, and engineering to support the pursuit of bold research ideas, original and transformative scientific discoveries, and cross-disciplinary innovations that meaningfully address society's great challenges.

Key Laboratory of Growth Regulation and Translation Research of Zhejiang Province

ZHEJIANG PROVINCE LABORATORIES

Westlake Laboratory of life Sciences and Biomedicine

Westlake Laboratory of Life Sciences and Biomedicine (WLLSB) was inaugurated in July 2020. It is one of the first research laboratories funded by the Zhejiang Provincial Government. Led by Westlake University, WLLSB actively promotes the construction of an innovative scientific research hub, and uses cutting-edge research approaches in life sciences and biomedicine to explore the most prominent and challenging research area, namely aging and aging-related diseases, including cancer.

WLLSB consists of four research centers: Center for Basic Research, Center for Biotechnology, Center for Translational Research and Center for Clinical Research. Through interdisciplinary research and interconnected innovation, the laboratory integrates basic research, translational research, key technology development, clinical diagnosis, and treatment, as well as commercialization and application of advances in science and technology. The laboratory develops a strategy emphasizing disease orientation, basic research, and multidisciplinary collaboration.

WLLSB is organized under the guidance of the WLLSB Council which is headed by Chairman Dr. Mu-ming Poo. Dr. Hongtao Yu serves as the Director of WLLSB, overseeing its daily operations.

Baima Lake Laboratory

Baima Lake Laboratory (Zhejiang Laboratory of Energy and Carbon Neutralization) is a new type of R&D institution, approved by the Zhejiang Provincial Government and jointly established by the Zhejiang Provincial Energy Group Company Ltd., Zhejiang University, and Westlake University. The laboratory concentrates on energy conversion and delivery of green energy, focusing primarily on solar energy conversion and catalysis, zero carbon energy conversion and storage, low carbon energy conversion, and multi-energy coupling. It carries out research to support the development of innovative green and low-carbon energy technology systems.

Westlake University, which has already gathered top international talent in the field of solar energy utilization, will work on key scientific issues and core technical bottlenecks at the forefront of solar energy conversion and utilization. The university will develop the critical materials and catalysts required for efficient photoelectric conversion and solar fuel synthesis, produce a series of original research results, and create disruptive technologies with independent intellectual property rights.

ZHEJIANG KEY LABORATORIES

Zhejiang Key Laboratory of Structural Biology

The Zhejiang Key Laboratory of Structural Biology aims to establish a worldwide leading team for cutting-edge research and technological developments in the field of structural biology under the directorship of Prof. Jijie Chai, chair professor of plant immunology at Westlake University. The laboratory focuses its research on exploring the molecular mechanisms of important biological macromolecules, in-depth mining of structural biology data, and developing new methods and technologies in structural biology. It fosters interdisciplinary collaboration to drive innovation and has made original discoveries across research areas including the dynamic structures of spliceosomes, sperm development and fertilization, major infectious diseases, essential ion channels, and plant innate immunity. Findings from the research have been published in prestigious scientific journals such as Science, Nature, and Cell.

Zhejiang Key Laboratory of 3D Micro/Nano Fabrication and Characterization

The Zhejiang Key Laboratory of 3D Micro/Nano Fabrication and Characterization is a collaboration between Westlake University and the Westlake Institute for Optoelectronics (WIOE). The laboratory has a micro/nano fabrication facility housing equipment worth over $20 million in a clean room with an area of over 1,500 square meters. The laboratory, which hosts more than 20 research teams from Westlake University and WIOE, focuses on innovative research and the practical application of 3D micro and nano processing and characterization technologies as well as the development of optoelectronic micro/nano devices and integrated systems that will enable future telecommunications and computing technologies. By leveraging the support for technology transfers and the partnerships with industry provided by WIOE, the laboratory aims to create synergy between industrial technology needs, academic research achievements, and commercial product development.

Zhejiang Key Laboratory of Low-Carbon Intelligent Synthetic Biology

The key laboratory mainly focuses on major scientific issues such as energy source and carbon sequestration efficiency in the process of intelligent low-carbon biosynthesis. Anping Zeng, the chair professor of synthetic biology and bioengineering of Westlake University and academician of German Academy of Engineering, serves as the director of the laboratory. The three fields of artificial intelligence, green energy and synthetic biology covered by the laboratory have huge scientific and technological development prospect and industrialization potential. The cross integration of the three fields will lead to technological transformation in many fields such as medicine, chemicals, materials, agriculture and food, which is of great strategic significance for forming new biological manufacturing enterprises and industrial clusters with high competitiveness.

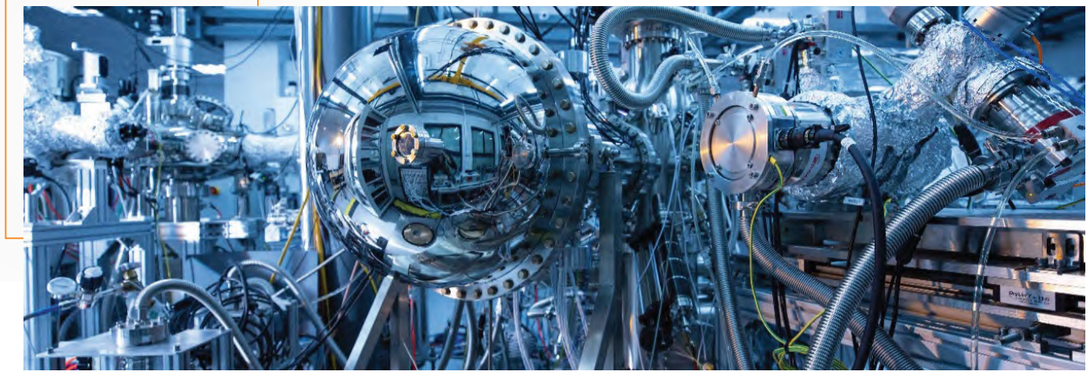
Zhejiang Key Laboratory of Precise Synthesis of Functional Molecules

The Zhejiang Key Laboratory of Precise Synthesis of Functional Molecules focuses on developing new methodologies and innovative strategies for the efficient synthesis of functional materials. It aims to construct libraries of bioactive molecules to facilitate the discovery and development of novel molecules with medicinal and biomedical applications.

Zhejiang Key Laboratory of Multi-Omics in Infection and Immunity

The Zhejiang Key Laboratory of Multi-Omics in Infection and Immunity is led by Westlake University in collaboration with the Hangzhou Center for Disease Control and Prevention (Hangzhou CDC), and operates under the directorship of Prof. Ren Sun from the Center for Infectious Disease Research at Westlake University. The laboratory will combine the academic strengths of Westlake University in immunology and microbiology with the infectious disease surveillance network of the Hangzhou CDC. By integrating multi-omics technologies with Westlake University's world-leading capabilities in structural biology and artificial intelligence, the laboratory will focus on the replication mechanisms and immune system evasion pathways employed by pathogens, as well as the key determinants of the initiation and regulation of immune responses to pathogen infection. The goal is to develop cutting-edge pathogen monitoring and target identification techniques to establish an early warning system for potential pathogens and to develop a new generation of vaccines, drugs, and prevention and control measures that will provide a repertoire of techniques for responding to future infectious disease outbreaks as they emerge.

Zhejiang Key Laboratory of 3D Micro/Nano Fabrication and Characterization



Key Laboratory for Quantum Materials of Zhejiang Province

KEY LABORATORIES OF ZHEJIANG PROVINCE

Key Laboratory of Growth Regulation and Translational Research of Zhejiang Province

The Key Laboratory of Growth Regulation and Translation Research of Zhejiang Province is at the forefront of genetic and translational medicine research related to the control of tissue and organ growth, relying on its high-throughput screening facility, mass spectrometry capabilities, and laboratory animal center. The laboratory focuses on the biological size, functions, manipulation, and diseases of organs, building on our previous organ growth control research. It combines genetics, cell biology, biochemistry, and biochemical physics in a multidisciplinary approach using artificial intelligence, clinical medicine, neuropsychology, and pharmaceutical chemistry to carry out basic and applied researches.

Key Laboratory for Quantum Materials of Zhejiang Province

The Key Laboratory for Quantum Materials of Zhejiang Province is a consortium of the Instrumentation and Service Center for Physical Sciences at Westlake University and multiple research groups engaged in condensed matter physics, under the directorship of Prof. Ruihua He. Taking advantage of its strengths in synthesis, characterization, theory, and computational analysis of quantum materials, the laboratory aims to achieve fundamental technological advancements and break through bottlenecks in quantum materials research.

Key Laboratory of Coastal Environment and Resources of Zhejiang Province

The Key Laboratory of Coastal Environment and Resources of Zhejiang Province (KLaCER) was established in 2021 with the support of the Zhejiang Provincial Department of Science and Technology. KLaCER is dedicated to understanding the connections between the land-ocean-atmosphere interactions that underlie various eco-environmental and resource utilization problems in coastal zones, and to develop innovative methodologies and techniques to tackle these problems. The main research objectives are to: (1) discover and understand land-ocean-atmosphere interactions in coastal zones, (2) develop sustainable technologies for coastal pollution control and ecological restoration, and (3) explore and develop marine resources. KLaCER aims to become a world-leading center of excellence in coastal zone research, providing strong scientific and technological support for solving the eco-environmental and resource utilization issues that affect the coastal zones of Zhejiang Province, China, and other parts of the world.

The Engineering Research Center of Micro/Nano-Photonic/Electronic System Integration of Zhejiang Province

ZHEJIANG PROVINCIAL ENGINEERING RESEARCH CENTERS

Engineering Research Center of Micro/Nano-Photonic/Electronic System Integration of Zhejiang Province

The Engineering Research Center of Micro/Nano-Photonic/Electronic System Integration of Zhejiang Province was established in December 2020. The center concentrates on research and development of state-of-the-art technology for integrated micro/nano photonic and electronic systems for future data-intensive information industries.

Integrated-on-Chips Brain-Computer Interfaces Zhejiang Engineering Research Center

The established "Integrated-on-Chips Brain-Computer Interfaces Zhejiang Engineering Research Center" is to strengthen key technologies and core components for wearable and implantable medical devices, grouping the entire technology stack of this multidisciplinary field. The Center also aims to foster talents and explore effective mechanisms for translating scientific and technological achievements. By empowering local enterprises, it strives to meet Zhejiang Province objective of leading position in the global brain-computer interface technology landscape, ultimately forming a globally competitive industrial cluster.

UNIVERSITY-ESTABLISHED SCIENTIFIC RESEARCH INSTITUTIONS

Center of Artificial Photosynthesis for Solar Fuels

The Center of Artificial Photosynthesis for Solar Fuels at Westlake University (CAP for Solar Fuels @Westlake) is an established research center under direction by Prof. Licheng SUN, dedicated to overcoming the challenges associated with solar energy utilization and storage so as to achieve the ambitious goal of "carbon neutrality".

The CAP for Solar Fuels @Westlake aims to provide multiple-scale understandings of chemical processes at complex solid-gas, gas-liquid and solid-liquid interfaces, and eventually design the state-of-the-art materials to achieve high-efficient solar energy conversion for renewable fuels and value-added chemicals.

Center for Infectious Disease Research

The Center for Infectious Disease Research (CIDR) was established by Westlake University in response to the emerging global infectious diseases. The CIDR is making transformative scientific advances to better understand a broad spectrum of infectious diseases, particularly those caused by coronaviruses, the influenza virus, human immunodeficiency virus, and infectious bacterium.

Through multidisciplinary collaborations, CIDR focuses on these research areas: epidemiology and application of innovative technologies in public health, pathophysiology and mechanisms of microbial infections, multi-level biomedical measurements and diagnostics, development of therapeutic antibodies and vaccines, small molecule drug discovery and development, and pioneering antimicrobial technology and medical device development.

By integrating fundamental research, applied research, key technology development, clinical diagnosis and treatment, and translational research, CIDR contributes to infectious disease prevention and treatment as well as the development of the biomedical industry worldwide.

Westlake University-Muyuan Joint Research Institute

The Westlake University-Muyuan Joint Research Institute conducts interdisciplinary and fundamental research focusing on public health in China. Muyuan Group is a leader in the animal husbandry industry and has instituted new intelligent breeding techniques for modern sustainable production. Committed to transforming the industry through technological innovation, Muyuan Group and Westlake University are working together to improve public health standards and welfare.

The Institute for Theoretical Sciences

The Institute for Theoretical Sciences was established in September 2020. Led by Professor Gang Tian, the institute aims to gather talent from around the globe to pioneer theoretical investigations across a range of fundamental disciplines such as mathematics and theoretical physics.

Westlake Center for Genome Editing

Westlake Center for Genome Editing is a newly established research center at Westlake University, aiming to develop novel technologies for genome editing applications. Zhiwei Huang is the director of the center, and the Yunqi Chair Professor at the School of Life Sciences.

The research directions of the center include: Novel genome editing approaches; Delivery systems for genome editing; Genome editing at the organismal level; Genome editing-related DNA damage repair.

The Center for Interdisciplinary Studies

The Center for Interdisciplinary Studies (CIS) at Westlake University focuses on the emerging fields across the boundaries between physical science, biological science, artificial intelligence, and complex systems, and is dedicated to creating a stimulating environment that encourages foundational theoretical and groundbreaking experimental work. The center will adopt a system of full-time appointments as well as joint appointments with other departments, making full use of Westlake University's rich academic and talent resources. This approach is designed to promote a vibrant interdisciplinary research culture within the university, as well as to foster academic exchange and collaboration both domestically and internationally.

Westlake Center of Synthetic Biology and Integrated Bioengineering

The Westlake University "Center of Synthetic Biology and Integrated Bioengineering" (WE-SynBio) is affiliated to the School of Engineering and jointly built by the School of Life Sciences and the School of Science. The director of the center is Prof. Anping ZENG, member of the German National Academy of Science and Engineering (acatech) and a chair professor of synthetic biology and bioengineering at Westlake University. The goal of WE-SynBio is to integrate expertise from life sciences, bioengineering, materials science, green chemistry and artificial intelligence etc. to carry out cutting-edge interdisciplinary research, especially to develop original synthetic biology methods, high-impact bioproducts, and highly efficient biomanufacturing processes. The center focuses on new generation of biopharmaceuticals, biomaterials and key technologies for large-scale bio-manufacturing based on carbon dioxide and solar energy. The center will build a BT-IT synthetic biology platform and a miniplant biomanufacturing system which will be opened to PIs for cooperative researches and to enterprises for joint technology or product development.

Westlake Center for Digitalized Manufacturing Technology of Integrated Circuits

The Westlake Center for Digitalized Manufacturing Technology of Integrated Circuits focuses on equipment prototyping and process development practicing rapid and economical manufacturing of low volume and personalized integrated circuits critical for the Internet of Things, artificial intelligence, health and medicine, and other related industries. Through developing maskless lithography with both high resolution and high production rate by exploring novel lithography principles and technology, the center will work with industrial partners to improve the device density and market permeability of the post-Moore chips.

[SHARED RESEARCH FACILITIES]

Shared research facilities provide scientific infrastructure, instrumentation, and technical expertise, supporting multidisciplinary research and education at Westlake.

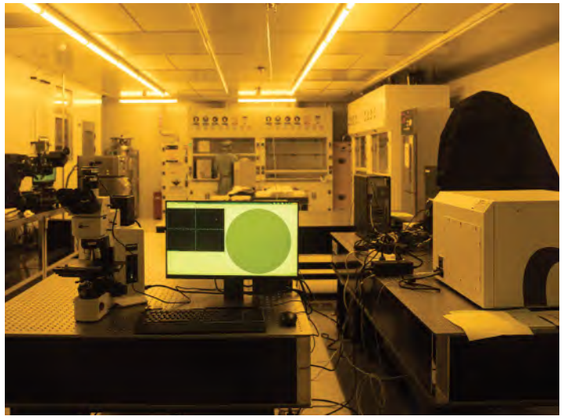
Biomedical Research Core Facilities

The Biomedical Research Core Facilities (BRCF) serves the elite multidisciplinary research at Westlake University. Closely aligned with the research programs at Westlake, BRCF has installed a full range of technological platforms--including CryoEM, Microscopy, Flow Cytometry, Proteomics & Metabolomics--to empower cutting-edge scientific inquiry, development of key technologies, and talent cultivation.

With a can-do attitude, BRCF seeks to become an enabling mechanism by providing technical solutions that transcend the capabilities of any individual laboratories, dismantling barriers to the implementation of complex and sophisticated scientific programs, thus allowing researchers to think big and tackle the most daunting challenges in biomedical research.

CryoEM of the Biomedical Research Core Facilities

Laboratory Animal Resources Center (LARC)



Center for Micro/Nano Fabrication

Laboratory Animal Resources Center

The Laboratory Animal Resources Center (LARC) provides various services for biomedical research, including optimized animal care and welfare, rederivation, generation of genetically modified mice, speed expansion via IVF, strain rescue via IVF, mouse line cryopreservation and resuscitation, animal model development, and professional support across the life sciences.

Westlake Center for Micro/Nano Fabrication

Westlake Center for Micro/Nano Fabrication is equipped with advanced micro/nano fabrication and characterization tools managed and operated by experienced engineers and technicians. The Center houses a DUV stepper, an electron beam lithography system, a X-ray microscope, a TEM and several other state-of-the-art reactive ion etchers and thin film deposition systems. The best fabrication resolution is down to single-digit nanometers and characterization capability of sub-nanometer range. These facilities enable fabrication of silicon, compound semiconductor, and organic micro/nano devices for micro/nano related scientific research in physics, chemistry, materials science, biomedical fields and industry R&D.

Westlake High-Performance Computing Center

Westlake University High-Performance Computing Center

Founded in June 2019, the Westlake High-Performance Computing Center (Westlake HPC Center) provides a state-of-art platform for scientific computation and robust support for data analysis, offering comprehensive assistance for all scientific research at Westlake University.

Instrumentation and Service Center for Physical Sciences

As one of the six university-level core research facilities at Westlake University, it focuses on supporting research in frontier fields of physical sciences, encompassing quantum, functional molecular, energy, environmental, and optoelectronic materials, as well as related devices. It is equipped with nearly 70 sets of cutting-edge scientific research instruments in fields such as aberration-corrected transmission electron microscopy, ultra-high vacuum interconnected surface physics analysis technology, comprehensive physical property analysis technology under extreme low temperature and strong magnetic field, and microstructure and morphology characterization technology. It also has a team of young, highly skilled professional technicians. This center not only meets the demands of routine research but also keeps abreast of cutting-edge developments and drives continuous innovation, thereby providing robust support for frontier scientific research at Westlake University.

Instrumentation and Service Center for Physical Sciences (ISCPS)

Instrumentation and Service Center for Molecular Sciences

The Instrumentation and Service Center for Molecular Sciences (ISCMS) is a shared-use core facility at Westlake University. To promote discovery and innovation in basic and applied sciences, we have been devoted to developing novel NMR/EPR, GC/LC-MS, Raman/FL/UV/IR and XAS/XES/XPS/XRD spectroscopic characterizations. With state-of-the-art equipment and developed analytical methodology, ISCMS explores molecular structure, interaction and kinetics, providing 7*24 access and collaborative multidisciplinary research environment for the Westlake research community as well as the larger community of external researchers both from academia and industry. The focus of staff scientists at ISCMS has been not only to serve a broad, diverse, international set of researchers, but also to develop specialized methodologies, protocols, instrumentation, and expertise to help simulate, characterize, and analyze novel molecules, materials, and systems going beyond conventional approaches.

Instrumentation and Service Center for Molecular Sciences (ISCMS)

05

Schools And **Faculty**

Professor Kiryl Piatkevich inspecting magnified fluorescent cells

The excellent faculty in our four schools are recruited from top peer institutions from around the world. Leading scholars attracted to Westlake University enjoy considerable autonomy and support. They also have the unique opportunity to shape the future of a pioneering university within a close-knit community. Westlake faculty are evaluated and promoted according to international standards of excellence based on contributions to education, research, the community, and society.

As of February 2025, we have recruited over 246 faculty. This includes 37 chair professors who are prominent senior researchers, and junior professors who have already established themselves as promising scholars in their respective fields. With young talent well represented, the faculty spans a range of experiences and fields to create an innovative, vibrant, and energetic academic environment.

Science Building at Yungu Campus (Rendering)

[SCHOOL OF SCIENCE]

The School of Science is dedicated to excellence in fundamental research at the frontiers of the physical and mathematical sciences, with a focus on five key disciplines: mathematics, physics, chemistry, astronomy and interdisciplinary studies.

The School of Science is unwavering in its commitment to conducting perspective and systematic basic scientific research, building a world-class teaching team, and serving as a leading hub for training next-generation leaders towards top-notch innovation.

Mathematics

The discipline of mathematics primarily conducts research on fundamental problems in number theory, algebra, geometry, analysis, topology, equations, probability, and mathematical physics, as well as applied directions such as statistics, mathematical modeling, and scientific computing. On one hand, it focuses on addressing core foundational problems in mathematics; on the other hand, it aims to achieve original breakthroughs in major applied scientific challenges. Mathematics provides foundational support for disruptive innovations in fields such as big data, artificial intelligence, quantum computing, life sciences, medicine, and manufacturing.

Physics

The Department of Physics hosts state-of-the-art research facilities and distinguished faculty members who have studied or held academic positions at some of the world's top-ranked universities. Our researchers conduct groundbreaking research that advances our understanding of the physical world and drives crucial scientific and technological innovation. Our researchers have made remarkable progress in the areas of theoretical physics, condensed matter physics, and atomic, molecular, and optical physics, publishing their work regularly in the world's leading scientific journals. More advanced areas Westlake Physics focuses on include high-energy physics and quantitative biology.

Chemistry

Our esteemed faculty members are globally recognized for their excellence in research and education. They are wholeheartedly committed to advancing the frontiers of chemistry and nurturing the next generation of leaders in the field.

At Westlake Chemistry, our researchers study a wide range of active research areas, including organic chemistry, energy chemistry, physical chemistry, material chemistry, and interdisciplinary fields like chemical biology.

Astronomy

The Department of Astronomy focuses on cutting-edge research in areas such as exoplanets and astrobiology, galaxies and cosmology, computational astrophysics and AI in astronomy, time domain astronomy and theoretical astrophysics. We are also keen on the development of innovative astronomical instruments, and participation in international collaborations. By fostering an intellectual, international and inter-disciplinary environment with leading scientists and providing state-of-the-art computational facilities, we aim to inspire the next generation of astronomers and contribute significantly to the global astronomical community.

Interdisciplinary Studies

Interdisciplinary Studies at Westlake University focuses on the emerging fields across the boundaries between physical science, biological science, artificial intelligence, and complex systems, and is dedicated to creating a stimulating environment that encourages foundational theoretical and groundbreaking experimental work.

[DEAN]

LI DENG

Professor Li Deng received his B.S. degree from Tsinghua University in 1987, and Ph.D. degree from Harvard University in 1995. He stayed at Harvard as an American Cancer Society postdoctoral fellow. He joined Brandeis University as an Assistant Professor of Chemistry in 1998. He was promoted to Associate Professor with tenure in 2003, to Full Professor and was named the Orrie Friedman Distinguished Professor of Chemistry in 2005. He served as the Chair of the Chemistry Department at Brandies University from 2011 to 2014. He joined Westlake University in July of 2018, and is currently the Xu Yiming Endowed Chair Professor, vice president, Dean of Graduat School , and the Excutive Dean of School of Science.

XU Yiming Endowed Chair Professor, Chemistry
Vice President of Westlake University
Dean of Graduat School
Executive Dean of the School of Science

RESEARCH

Professor Deng is widely recognized as a pioneer and leader in the field of organocatalysis. His research focuses on the invention and the development of new catalytic reactions of importance in synthetic organic chemistry. His studies have established new concepts and strategies for weak bonding organocatalysis that are utilized by laboratories around the world for the successful development of numerous new catalysts and reactions. The catalysts and reactions developed by the Deng laboratories are widely used for organic synthesis in both academic and industrial settings.

[SCHOOL OF ENGINEERING]

The School of Engineering (SOE) is devoted to frontier research in applied sciences and innovation of technologies to advance human well-being sustainably. It aims to establish key strengths at the cutting edge in science and technology through interdisciplinary research, training of forward-thinking students and recruitment of top talent from around the world. The School currently has three departments and one center: Department of Electronic and Information Engineering, Department of Materials Science and Engineering, Department of Artificial Intelligence, and Center for Advanced Engineering Sciences and Technology (CAEST).

The School of Engineering has built a number of high-level laboratories and research centers. Among them, are the Key Laboratory of 3D Micro/Nano Fabrication and Characterization of Zhejiang Province, the Zhejiang Key Laboratory of Low-Carbon Intelligent Synthetic Biology and the Engineering Research Center of Micro/Nano-Photonic/Electronic System Integration of Zhejiang Province, and Integrated-on-Chips Brain-Computer Interfaces Zhejiang Engineering Research Center. The School of Engineering also jointly builds Westlake Center of Synthetic Biology and Integrated Bioengineering (WE-SynBio) with the School of Life Sciences and the School of Science.

Currently, the School of Engineering offers four independent doctoral programs in two first-class disciplines, including Electronic and Information Engineering, Materials Science and Engineering, and two second-class disciplines, including Information Technology in Artificial Intelligence, Sustainability Science and Technology. At the same time, the School of Engineering encourages cross-disciplinary studies based on our first-class disciplines, three departments and one center. We wish to attract talent and scientific research abilities from across the world to carry out high-level talent training and technological innovation.

Engineering Building at Yungu Campus (Rendering)

[DEAN]

MIN QIU

Prof.Min Qiu received his Bachelor of Science and his Ph.D. in Condensed Matter Physics from Zhejiang University in 1995 and 1999, respectively. He then earned a Ph.D. in Electromagnetic Theory from the Royal Institute of Technology (KTH) in Sweden in 2001. He was appointed as Assistant Professor at KTH in the same year, promoted to Associate Professor in 2005, and became a full professor in photonics in 2009. In 2010, he joined the College of Optical Science and Engineering at Zhejiang University, where he also served as the Director of the State Key Laboratory of Modern Optical Instrumentation. In 2018, he joined Westlake University and currently holds the psitions of Guogiang Chair Professor and Vice President. Additionally, he serves as the Dean of the School of Engineering and the Director of the Westlake Institute for Optoelectronics.

Guoqiang Chair Professor
Dean of the School of Engineering
Vice President of Westlake University

RESEARCH

Professor Min Qiu's research focuses on micro- and nano- optoelectronics, encompassing advanced fabrication technologies and instrumentations, functional optical and optoelectronic devices, and nanophotonic technologies and theories for intelligent applications.

[SCHOOL OF LIFE SCIENCES]

By building world-class research programs and centers, the School of Life Sciences at Westlake University strives to pursue questions fundamental to our understanding of biology and disease, and to develop enabling technologies that advance human health and civilization. The school is dedicated to cultivating future leaders in biomedical research through an emphasis on multidisciplinary training in biology, chemistry, medicine, and engineering.

The School of Life Sciences plans to establish research programs in Biophysics and Biochemistry, Cell Biology, Genetics and Developmental Biology, Neurobiology, Immunology and Microbiology, Systems and Synthetic Biology, Chemical Biology, and other related fields.

To facilitate research and training, the School of Life Sciences has established an Advanced Biomedical Technology (ABT) Core Facility and an Animal Resources Center. The ABT Core Facility is equipped with state-of-the-art research technology; including facilities for cryo-electron microscopy, mass spectrometry, flow cytometry, light microscopy, genomics, metabolism, bioinformatics, and high-throughput screening.

Life Sciences Building at Yungu Campus (Rendering)

[DEAN]

HONGTAO YU

Chair Professor, Cell Biology
Founding Dean of the School of Life Sciences

Professor Yu received his B.S. in Chemistry from Peking University in 1990 and his Ph.D. in Chemistry from Harvard University in 1995. He then completed his postdoctoral training at Harvard Medical School.

In 1999, Professor Yu began his independent research career as an Assistant Professor in the Department of Pharmacology at the University of Texas Southwestern Medical Center. He was promoted to Associate Professor with tenure in 2004 and to Professor in 2008.

From 2008-2019, Professor Yu was appointed as an Investigator at the Howard Hughes Medical Institute (HHMI). He was the holder of the Serena S. Simmons Distinguished Chair in Cancer Immunopharmacology before joining the faculty of Westlake University in December 2019.

Awards
Professor Yu is a recipient of the Damon Runyon Scholar Award (1999), Burroughs Wellcome New Investigator Award in Pharmacological Sciences (2000), Packard Fellowship for Science and Engineering (2000), Leukemia and Lymphoma Society Scholar Award (2003), and W. M. Keck Distinguished Young Scholar Award (2003).
He was elected as Fellow of the American Association for the Advancement of Science (AAAS) in 2012 and Board Member of the Chinese Biological Investigator Society (CBIS) in 2018.

[SCHOOL OF MEDICINE]

The Westlake University School of Medicine aims to train top physician-scientists. It is committed to medical innovation and clinical transformation, focusing on microbiology and vaccines, immunology and inflammation, physiology and metabolism, tumor biology and treatment, medical genetics, rare diseases, drug research and development, public health, and other related research fields.

Top-notch physician-scientists are medical talents possessing solid basic medical knowledge and clinical diagnosis skills, who have received systematic training in biomedical research and can simultaneously apply the different methodologies of basic research and clinical treatment, the leading force that drives medical innovation.

Westlake University and the Hangzhou Municipal Health Commission signed the agreement to jointly build the Hangzhou First People's Hospital Affiliated to the Westlake University School of Medicine.

Establishing a new type of School of Medicine is an essential endeavor of Westlake University in response to the national and people's need for health and healthcare. It is vital to the university's strategy to expand its disciplinary development and talent recruitment. We will strive to build a new system of Westlake medical education and actively explore new ways to construct a research medical school, contributing the strength of Westlake to medical development in China and the world.

Medicine Building at Yunqi Campus (Rendering)

[DEAN]

DONG CHEN

Dr. Dong is Feng Ying Chair Professor at Westlake University, where he also is Vice President and Dean of School of Medicine. Dr. Dong served as a Distinguished University Chair in Cancer Research and the Director of the Center for inflammation and Cancer at the University of Texas MD Anderson Cancer Center before his move to China. He was Dean of Tsinghua University School of Medicine in 2016-2020 and Director of Institute of Immunology at Tsinghua University in 2014-2021, and Associate Vice President at Shanghai Jiao Tong University Schools in 2022-2023, and Director for the Shanghai Immune Therapy Institute from 2021.

Chair Professor,
Founding Dean of the School of Medicine

RESEARCH

Dr. Dong's research is to understand the molecular mechanisms whereby immune and inflammatory responses are normally regulated, and to apply this knowledge to the understanding and treatment of infection, autoimmunity and allergy disorders as well as cancer. The work from Dr. Dong's group has led to the definition of Th17 and T follicular helper (Tfh) cell subsets in the immune system and elucidation of their biological and pathological functions, which was rated in 2021 by Nature Reviews Immunology as two of "twenty major immunological breakthroughs" in the past twenty years.

Dr. Dong has over 290 publications and was rated highly cited researcher for seven times. The honors he has received include the 2009 American Association of Immunologists-BD Bioscience Investigator Award, 2019 International Cytokine and Interferon Society Biolegend-William E. Paul Award, 2023 New Cornerstone Investigator Award, 2024 Distinguished Fellow of American Association of Immunologists, and 2024 Chinese Society of Immunology Outstanding Contribution Award. He is a member of the Chinese Academy of Sciences and a fellow of the American Association for the advancement of Science and the Chinese Academy of Medicine. He is currently co-editor-in-chief for hLife, Editor-in-chief for Frontiers in Immunology- T Cell Biology, Executive Associate Editor for China Sciences- Life Sciences, Associate Editor for Advances in Immunology, and an Editor/Advisor for Annual Review of Immunology Immunity, Journal of Experimental Medicine, and Med.

06

Academic **Programs**

Students taking a group photo in the courtyard

Westlake University is building bridges from China to the world, from the present to the future, and from ideas to reality. We cultivate curious explorers, bold innovators, and compassionate global leaders.

Currently, Westlake University is educating graduate students pursuing a Ph.D. in one of 8 programs. In 2022, Westlake will welcome its first class of undergraduate students from China and abroad.

Embrace the Future

Create the Future

Lead the Future

[OUR EDUCATION PHILOSOPHY]

We prepare our students for the future.

The increased pace of disruptive technologies, climate change, geopolitical complexities, diversification of social structures, economic fluctuations, and other developments has made finding solutions to pressing problems more challenging. Our future leaders need to filter an overwhelming flow of information, grasp key points, analyze multiple factors, and make rational decisions which must then be effectively communicated.

Disruptive technologies including artificial intelligence and genetic engineering are having a profound impact on our lives and human identity. As many careers are displaced by robots, we humans are acquiring the capability to engineer and modify ourselves.

We encourage our students to think about these questions and empower them with skills to choose their future. Our faculty and students are deeply conscious of their responsibilities as technologies outpace the capability of global society to adapt.

Engineering students testing their robot

Students presenting weekly research progress

How will Westlake prepare our future leaders?

In addition to in-depth technical knowledge and expertise, future leaders educated at Westlake also possess empathy and compassion. Effective, long-term leadership must build on social responsibility. Future leaders need to (1) be able to adapt to change, (2) have interdisciplinary skills and knowledge, (3) remain curious and continue to learn, (4) have a global outlook, (5) be responsible and caring, and (6) most importantly, think critically.

Our curriculum, research engagement, study-abroad experience, extracurricular and community activities are all expressions of our core education philosophy. All students study in English and are engaged in research projects that matter, as we believe that skills are gained most effectively through immersive experiences and active learning. Westlake University also emphasizes diversity of ideas and people through intercultural understanding and interdisciplinary experiences. We offer a range of extracurricular activities and great campus facilities for personal development and growth.

Chemistry students at a lab discussion

[DOCTORAL PROGRAMS]

Our doctoral programs are exceptional in several ways. We strongly promote interdisciplinary study by encouraging our doctoral students to choose more than one academic supervisor for their Ph.D. research project. Students can rotate through different research groups prior to choosing a topic. Students are expected to develop their own ideas and contribute to team efforts by pursuing unconventional and innovative paths.

We currently have doctoral programs leading to a Ph.D. in the following subjects:

Biology, Chemistry, Physics, Mathematics, Materials Science and Engineering, Electronic Science and Technology, Computer Science and Engineering, and Environmental Science and Engineering

[UNDERGRADUATE PROGRAM]

Our undergraduate programs in Science and Engineering combine rigorous, broad-based fundamentals with in-depth specializations to prepare our students for the future. Students also study non-technical subjects in the humanities, social sciences, and other areas.

Undergraduates have a common curriculum during their first two years and select a major at the end of their second year. Current majors include Biology, Chemistry, Physics, Electronic and Information Engineering, and Materials Science and Engineering. More disciplines are being developed.

An important feature of our program is a one-year study-abroad experience. Students will gain a global perspective by studying at one of our many partner universities in North America, Europe, Asia, Australia, or other areas, including Cornell University, University of Edinburgh, and University of California San Diego.

Westlake fosters intellectual curiosity by engaging students in science and engineering research at an early stage. Through hands-on inquiries and immersive experiences, students actively acquire skills needed for career success and leadership.

Biology, Chemistry, Physics, Electronic and Information Engineering, Materials Science and Engineering

Chair Professor of Genetics and Vice President Tian Xu teaching a genetics course

07

Campus **Life**

Westlake University Yungu Campus Library (Rendering)

Westlake University has two campuses, both in the Xihu District of Hangzhou.

Both campuses offer comfortable residences, varied dining options, cafes and boutiques, individual and group study areas, modern sports facilities, and easy access to Hangzhou's most beautiful sites, commercial and nightlife districts, and high-speed rail stations.

[YUNGU CAMPUS]

In the heart of an expanding university town, between a major technology hub and the ancient ruins and art district of Liangzhu, the 227.3-acre Yungu Campus sits at the confluence of the old and new. Facilities include the Academic Ring connecting the main research and teaching buildings; residential and dining compounds; sports and recreation centers; student activity hubs; health care facilities; hotel and conference areas; and administrative buildings. A major feature of our green, landscaped campus is a waterway surrounding the Academic Ring which is used for both recreation and research endeavors.

WESTLAKE UNIVERSITY

Student Dining Building

Playground

South gate of Westlake University

Central Garden and Auditorium at night

[YUNQI CAMPUS]

The compact Yunqi Campus accommodated the whole of Westlake University into 2021, when the bulk of university operations relocated to our larger Yungu Campus. It has a beautiful courtyard with spots to enjoy the sun and a running track to keep yourself fit. Yunqi Campus now hosts several Westlake research laboratories and centers and is the home of the Westlake Institute for Advanced Studies. Facilities include an administrative center, two residential buildings, library, café, convenience store, a well-equipped fitness center, and a two-floor dining hall. In 2023, Yunqi Campus will have completed construction of its expansion adding more space for research and recreational activities.

Yunqi Campus in Spring

Yunqi Campus courtyard

Reading room and library at Yunqi Campus

[EVENTS]

Westlake University frequently organizes exciting academic and non-academic conferences and events. Examples include the **WeMeet Series** which invites famous artists, musicians, film directors, writers, and other luminaries who inspire our faculty and students across a wide-ranging array of topics. The **Westlake Masters Forum** invites internationally renowned scholars to share their research and insights. The **Huxin Lecture Series** invites leading scientists, scholars, and visionaries to engage the public on topics at the intersection of science and humanity; this series is a tangible example of Westlake's commitment to serve society. Biannually, Westlake University hosts the **Westlake Forum on Higher Education** inviting higher education leaders from top institutions around the world to exchange ideas and experiences of how to tackle challenges and grasp opportunities of recent developments in higher education.

Another series fostering interdisciplinary interactions is the **News and Ideas Series** which invites faculty to discuss recent trends in science, engineering, and technology and provides a cross-disciplinary forum for discussing innovative ideas.

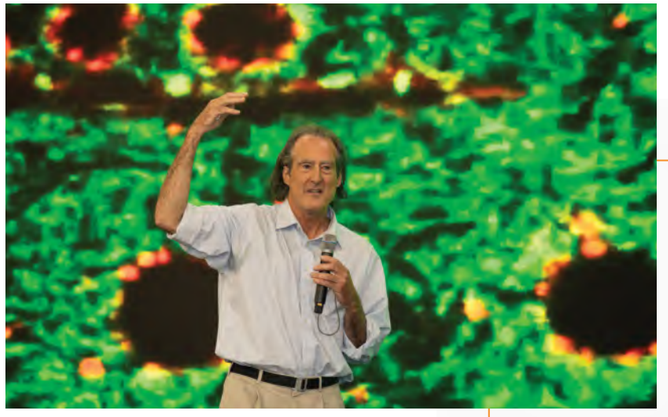
Our schools, departments, labs, faculty, students, and diverse clubs also organize multiple university-wide sporting, musical, and cultural events for the entire community to enjoy.

WeMeet: Novelist Mai Jia speaking about literature's impact

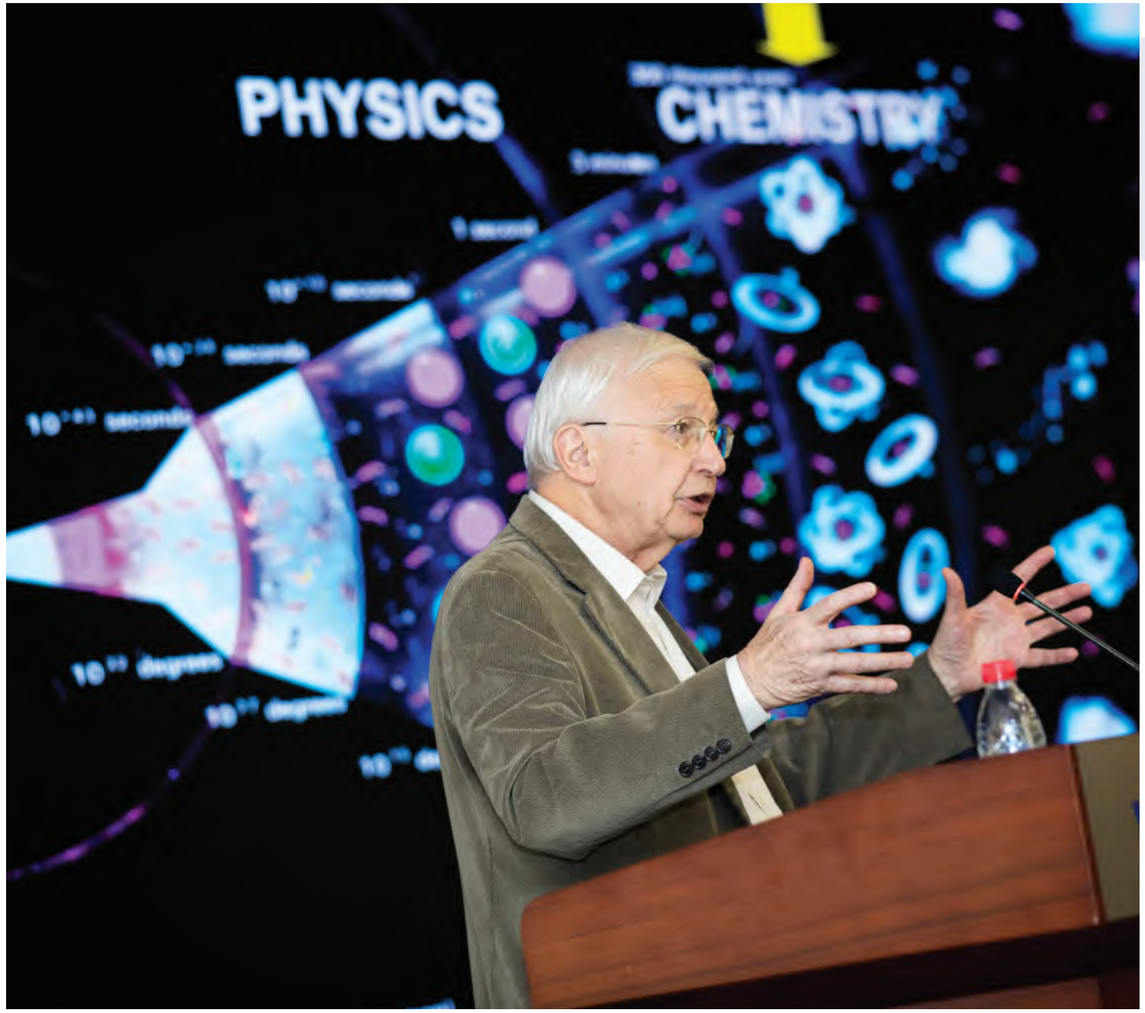
WeMeet: Film producer and director Jizhong Zhang introducing the art of film to our faculty and students

WeMeet: Violinist Yuxi Liu giving a concert at Westlake University

Westlake Masters Forum: Nobel Laureate in Chemistry Ada Yonath explaining the ribosome



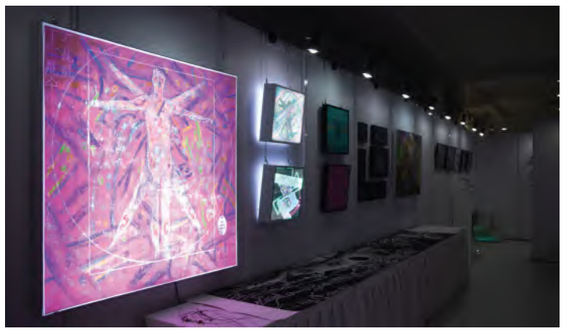
Westlake Masters Forum: Nobel Laureate in Physiology or Medicine Craig C. Mello illustrating RNA interference



Westlake Masters Forum: Nobel Laureate in Chemistry Jean-Marie Lehn introducing supramolecular chemistry

Huxin Lecture 2025 Summer Session

Summer Music Festival on Yunqi Campus



Art exhibition by Westlake students in collaboration with the China Academy of Art

Barbeque party at Yunqi Campus

Performance of Westlake's Sudo Chorus

Marathon organized by the Westlake Running Club

[EXTRACURRICULAR ACTIVITIES]

Extracurricular activities at Westlake range from classic team sports such as basketball and football to adventurous outdoor diversions including rock climbing, hiking, and kayaking. From chess, tai chi, and calligraphy to robot fights, rock music, and drone photography – we have something for everyone. If not, students get support in starting their own club. Of course, if a student just wants to enjoy a good book under a tree on a warm afternoon, that is great too. Westlake University welcomes everyone – faculty, staff and students alike – to participate in our extracurricular activities.

WeCycle: Westlake students encouraging recycling and reusing products

Art class at the Westlake Art Club

Westlake basketballers

Westlake's football team

08 Contact **Us**

Feel free to contact and visit us in Hangzhou:

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No. 600 Dunyu Road Sandun Town
Xihu District 310030 Hangzhou
Zhejiang PR China

Westlake University Yunqi Campus
No. 18 Shilongshan Road Cloud Town
Xihu District 310024 Hangzhou
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For specific inquiries, you can write us an email:

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