



浙江大学爱丁堡大学联合学院
ZJU-UoE INSTITUTE

ZJE NEWSLETTERS

January to March



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Annual work summary meeting & New Year Party

January, 2020

On January 6, 2020, ZJE held the annual work summary meeting and New Year's party. The faculty and staff of ZJE gathered together to review 2019 and imagine 2020.

The annual summary meeting was presided over by Assistant Dean Prof. Suhong Xu. ZJE Deans Prof. Sue Welburn, Prof. Hongwei Ouyang and Prof. Linrong Lu respectively made the work summary of ZJE in 2019, the future strategic vision of ZJE and the report on the promotion of faculty. Looking back on 2019, we have made rapid development and great improvement in student training, talent recruitment and scientific research construction. Looking forward to 2020, we are more confident, and strive to achieve a model of fair and sustainable, high-level and high investment in integrated Chinese and western education.

On the night of the 6th, the ZJE New Year party started. At this party, ZJE awarded Person of the Year awards to five ZJE members, Dr. Wanlu Liu, Dr. Mikael Bjorklund, Dr. Wanzhong Ge, Dr. Joanne Murray and Mavin Ye. They are excellent representatives of ZJE, they have the spirit of ZJEers in pursuit of excellence. The programs of the party were excellent, including dance performance, chorus, instrumental performance, Ceilidh Dance and more. Everyone enjoyed it and had a wonderful night.



2020 ZJE Winter Camp

January, 2020

From January 13 to January 25, 2020, the 2017 cohort of biomedical students from ZJE went to University of Edinburgh(UoE) for a half month winter camp. During this period, ZJEers, as registered students of UoE, participated in professional study, cultural exchange and quality development, fully enjoyed UoE resources and experienced Scottish life.

Students have gained a lot from their rich experience in Edinburgh. They not only have deeper understanding of biomedical expertise and future development, but also have more plans of their own career planning and future learning direction.



What did ZJE do in the special winter holiday

February, 2020

This is a special winter holiday. In the face of the serious epidemic situation, faculty and staff and students of ZJE gathered their strength in various ways to fight the epidemic situation with practical actions for the first time.

Express Support

During the winter vacation, some of ZJE students who practice and exchange overseas shot videos to cheer for China and reaffirmed their determination to study their major well and use scientific research to help the development of China's health cause. Faculty from the University of Edinburgh, who are temporarily unable to come to campus, took videos to express their support to

ZJE and China.

Volunteer service

ZJE faculty and students actively participate in the volunteer service, many students joined the community service team to help measure and register the temperature of people when they enter and leave the residential quarters. ZJE faculty, Dr. Zhi Hong took part in five donation activities, not only donating money, but also organized the donation of medical supplies. ZJE student Linyun Jin's parents are agents for Roche. They responded to the call of ZJE Dean, Prof. Ouyang to support the medical front and donated testing consumables. What's more, some of our students took the initiative to share test preparation experience with senior high school students, so as to relieve their anxiety of not returning to school in time.

Donation

University of Edinburgh Alumni Association in Zhejiang, together with ZJE, sincerely wanted to do our part to aid the front line. We proposed "UoE always stands with ZJU" - the initiative for donation. The majority of alumni and other caring people responded positively to our activities, and by 19 o'clock on February 23, a total of 73,205 yuan had been raised. All donations will be directed to the front line.



Research Area

ZJE won the emergency research project of the "Fund for the Prevention and Control of Viral Infectious Diseases" and will cooperate with a number of units to jointly fight against the challenge of the great health epidemic in the 21st century. At the same time, in the face of this merciless virus, faculty and students of ZJE combined to launch some opinions and provide consultation and authoritative interpretation for society. These popular science articles have received widespread praise.

ZJE Party Branch

The faculty Party branch and the student Party branch of the ZJE held online branch meetings respectively, cooperating with government to win the prevention and control of epidemic. Every Party member strengthened the contact with ZJE faculty and staff and cared about their physical and mental conditions. The student party members set up an online course supervision group to assist the smooth development of the courses.

Online teaching

On February 17, ZJE officially started online teaching. Online teaching is a new challenge for both teachers and students. Teachers' careful preparation and students' cooperation make the course effect excellent. In the exploration of this new teaching mode, we should constantly accumulate and summarize experience and always pay attention to students' experience, not only to complete the task of transferring knowledge to students, but also to test whether students can really grasp knowledge and use it in practice.

Dr. Mikael Bjorklund was awarded the Advanced Individual of ZJU

February, 2020



ZJE associate professor, Dr. Mikael Bjorklund, was awarded the Advanced Individual of Zhejiang University in 2019. Congratulations!

Dr. Mikael Bjorklund

Dr Mikael Bjorklund received his PhD in Biochemistry in 2004 from the University of Helsinki, Finland. He did his post-doctoral training also in Helsinki, implementing genome-scale approaches to his main research on cell growth. In 2009, Mikael started as a principal investigator in Scotland and obtained a prestigious Wellcome Trust

Career Development fellowship to support his research. Dr. Bjorklund's main scientific interest is how metabolism and cell size impact cellular fitness and

functions and how these are linked to initiation and disease progression in cancers and other metabolic diseases.

Dr. Bjorklund joined ZJE in May 2018. He was able to overcome the obstacles of language problems and integrate into the working environment of Zhejiang University. He quickly established a laboratory and carried out high-level scientific research. In 2019, he was approved for one general project of National Natural Science Foundation of China.

Dr. Bjorklund undertakes a large number of undergraduate teaching work of ZJE, with a total of 6 professional courses in 2019. He pays attention to the research of teaching methods, classroom interaction and students' subjective initiative. His theoretical courses, discussion courses and experimental courses have received good feedback from students.

At the same time, Dr. Mikael Bjorklund served as the academic advisor of nine undergraduates, kept regular communication, understood the students' dynamic and needs, patiently gave guidance to students' study and life. In addition, Dr. Bjorklund is also involved in the preparation and implementation of the graduate courses and guides several doctoral students. He won the second prize of quality teaching of Zhejiang University in 2019.

Dr. Mikael Bjorklund actively participated in the public affairs of the college, such as organizing and carrying out the dignity and respect workshop; he also participated in the 2018 Zhejiang University SRTP review. Meanwhile, he actively participated in the scientific research cooperation activities between ZJE and the Second Affiliated Hospital of Zhejiang University Medical College.

ZJE students' offers

March, 2020

In 2020, the ZJE first dual degree biomedical students will graduate. Four years of study has made students learn and grow. Offers from the world's top universities are enough to prove the excellence and achievements of 2016 biomedical cohort: ZJE students have received offers from Princeton University, Cornell University, University of Edinburgh, Scripps Institution of Oceanography, MD Anderson, National University of Singapore, and more.

This is not the final result. The students are still waiting for the interview results of other schools as well. After all the results come out, our student will examine the offers to determine their future development direction.

There are 17 dual degree graduates of ZJE from the original cohort of 2016. As of March 1, 2020, the statistics show that the students have made gratifying achievements: 14 students have received offers, accounting for 82% of graduates; 9 students received offers from world top universities to pursue their PhD study. Jiang Lifei received full scholarships at doctoral programs from 7 world top universities.

At the same time, some biomedical students of 2016 cohort continue to receive a series of good news: Xiang received an offer of Harvard University full award PhD programme, Jia received an offer of University of Edinburgh half scholarship PhD programme, Xun received an offer of Johnson & Johnson research and development department, and Xie received an offer of Shanghai biomedical investment company.

ZJE Post-doctoral researcher Prasanth Manohar was awarded ECCMID "30 under 30"

March, 2020

for new guideline. As a scientist in close area, Dr. Prasanth tells us that compared with SARS and MERS, covid-19 has lesser fatality rate but rapid transmission within the population. Such global emergency can only be controlled by public support. He stresses that 'prevention is better than cure'.

When it comes to future plan, Dr. Prasanth precisely states that he wants to become one of the reputed scientists in the field of phage therapy and he is working towards bringing phage therapy into a reality to treat antibiotic resistant infections.

About ECCMID&ESCMID

Since its founding in 1983, ESCMID has evolved to become Europe's leading society in clinical microbiology and infectious diseases with members from all European countries and all continents.

For the 30th edition of ECCMID, we would like to highlight 30 outstanding young scientists 30 years of age or younger. ZJE post-doctor, Dr. Prasanth Manohar is one of the awardees and the only one in China.



Dr. Prasanth Manohar is working as a post-doctor in Dr Sebastian Leptihn's lab in ZJE. He completed his Ph.D in Vellore Institute of Technology (VIT), during which he was awarded with "Young scientist award" from INNO Indigo projects, European Union and 'CSIR-Senior Research Fellowship'

from Government of India. His research interests are bacteriophage biology, phage therapy and antibiotic resistance. When asked why came to China for research, he mentioned that China is one of the fastest growing economy in the world with hands-on-use latest technologies, and there are substantial research funding sources available to meet the global needs that eventually supports the scientists to do innovation. Additionally, he loves Chinese people and the life in Haining has been pleasant. During the COVID-19 outbreak, China carries out strict and effective prevention and control management. Therefore, Dr. Prasanth Manohar and his family still stay in India and waiting

Dr. Wenwen Huang was awarded the title of 2019 Zhejiang Province "10 Thousand Talent Programme" Outstanding Young Scholar

March, 2020

Recently, the shortlist of 2019 Zhejiang Province "10 Thousand Talent Programme" Outstanding Young Scholar is released, 252 people in total and Dr. Wenwen Huang is one of them.

Dr Wenwen Huang's research lies in highly interdisciplinary area at the interface of biophysics, biomedical engineering and material science. Her

research focuses on the development and integration of de novo designed protein biomaterials with multi-scale modeling, high throughput screening and regenerative medicine. The ultimate goal of her research is to advance the basic research in biomedical science, translate biomaterials to the clinic, and promote sustainable development of Zhejiang province. Meanwhile, Dr. Wenwen Huang seeks for international communication and collaboration, and she is keeping close contact with Professor David Kaplan, an expert in biomaterials and tissue engineering field from Tufts University, Professor Markus Buehler, an expert in multi-scale simulation field, and Professor Karen Gleason, founder of the CVD technology from MIT etc. Dr. Wenwen Huang has published more than 30 papers on international top journals, such as Chem. Soc. Rev (IF 40.443), Acc. Chem. Res (IF 20.268), Adv. Funct. Mater (IF 15.621) and Macromolecules (IF 5.997) etc.



Professor Hongwei Ouyang inducted as fellow of AIMBE

March, 2020

Professor Hongwei Ouyang, Dean of Zhejiang University-University of Edinburgh Institute, was inducted as fellow of The American Institute for Medical and Biological Engineering (AIMBE College of Fellows class of 2020) for his pioneering work in tissue engineering, biomaterials and sports medicine. 156 scientists in the world were elected in 2020.

The induction ceremony was originally scheduled to be held at the American Academy of Sciences in Washington, D.C., on March 30, 2020. However, due to the current global special situation, it was announced online.

About AIMBE

The American Institute for Medical and Biological Engineering (AIMBE) is a non-profit organization headquartered in Washington, D.C., representing the

most accomplished individuals in the fields of medical and biological engineering. No other organization can bring together academia, industry, government, and scientific societies to form a highly influential community advancing medical and biological engineering. AIMBE's mission is to provide leadership and advocacy in medical and biological engineering for the benefit of society.

About Prof. Hongwei Ouyang

Professor Hongwei Ouyang is Dean of ZJU-UoE Institute, Vice Dean of ZJU School of Medicine, Vice Dean of ZJU International Campus, Honorary Professor, The University of Edinburgh, The "Qiu-shi" Distinguished Professor, Zhejiang University. He is also the awardee of the National Science Fund for Distinguished Young Scholars (Jie-Qin) He devotes himself to multidisciplinary research and education for musculoskeletal system restoration and regeneration, leading the team to make outstanding progress in the field of regenerative medicine.

In the last 10 years, he has initiated and demonstrated the first clinical application of tissue-engineered cartilage transplantation technology and has accelerated the translational research of innovative silk medical implants in China. He has established a research system of multidisciplinary intersection and upstream-downstream integration and has promoted the development of joint surgery from replacement to regeneration.

