牛津大学高等研究院（苏州）
OXFORD SUZHOU CENTRE FOR ADVANCED RESEARCH

FEBRUARY 2018

OSCAR NEWSLETTER 07

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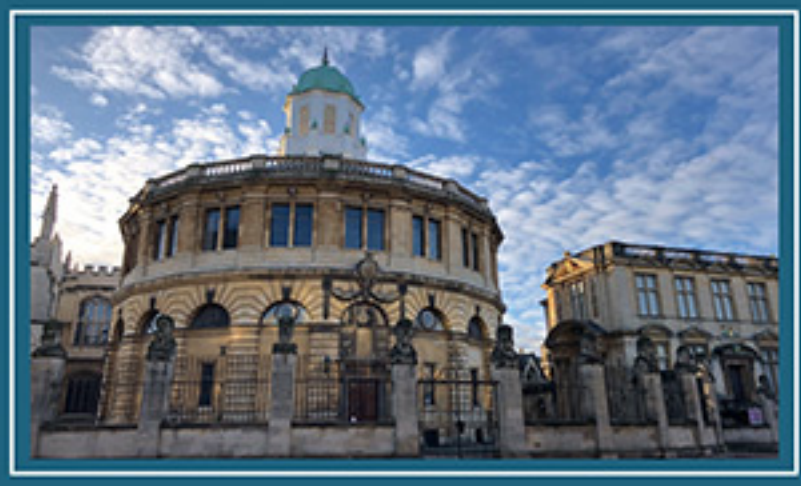
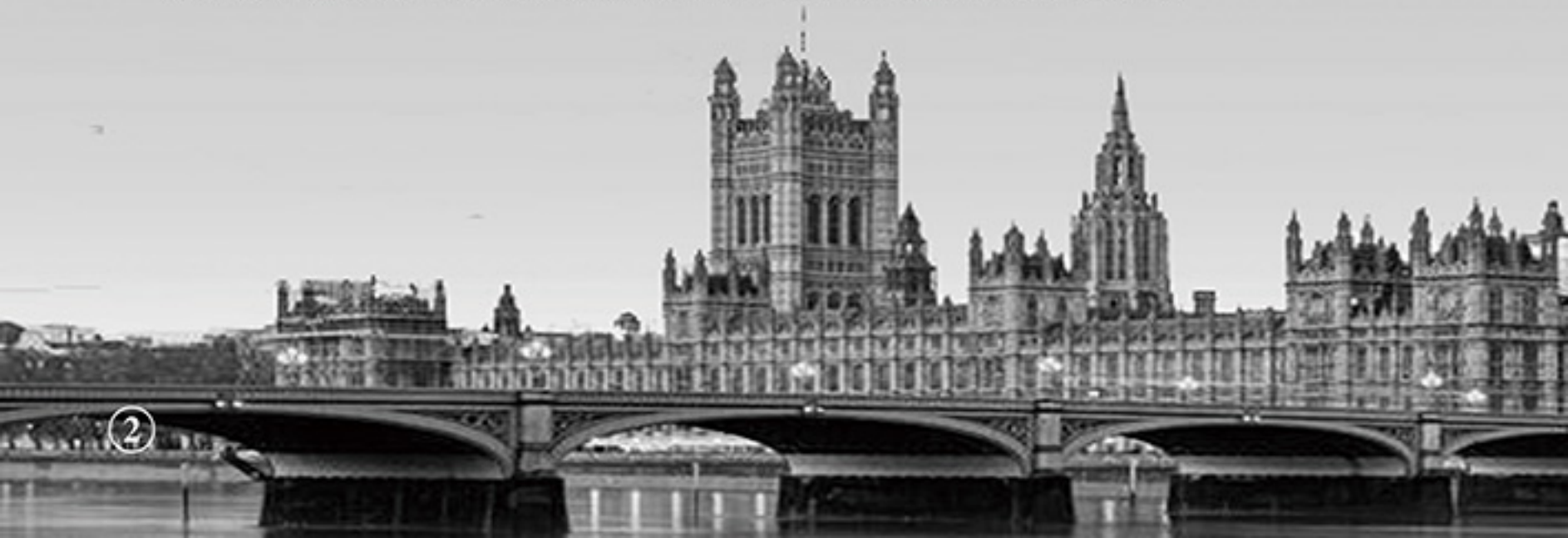
HEADLINES



OSCAR Admin Team's Induction Week at the University of Oxford

In early February the admin team of OSCAR, consisting of Leah He (General Manager), Tracy Chen (Finance Manager), Frank Zhang (Head of Building Services and Facilities) and Steven Chen (Office Manager), spent a week in Oxford for an induction to University operational policies and practices, and to meet with Principal Investigators who will lead research programmes at OSCAR.

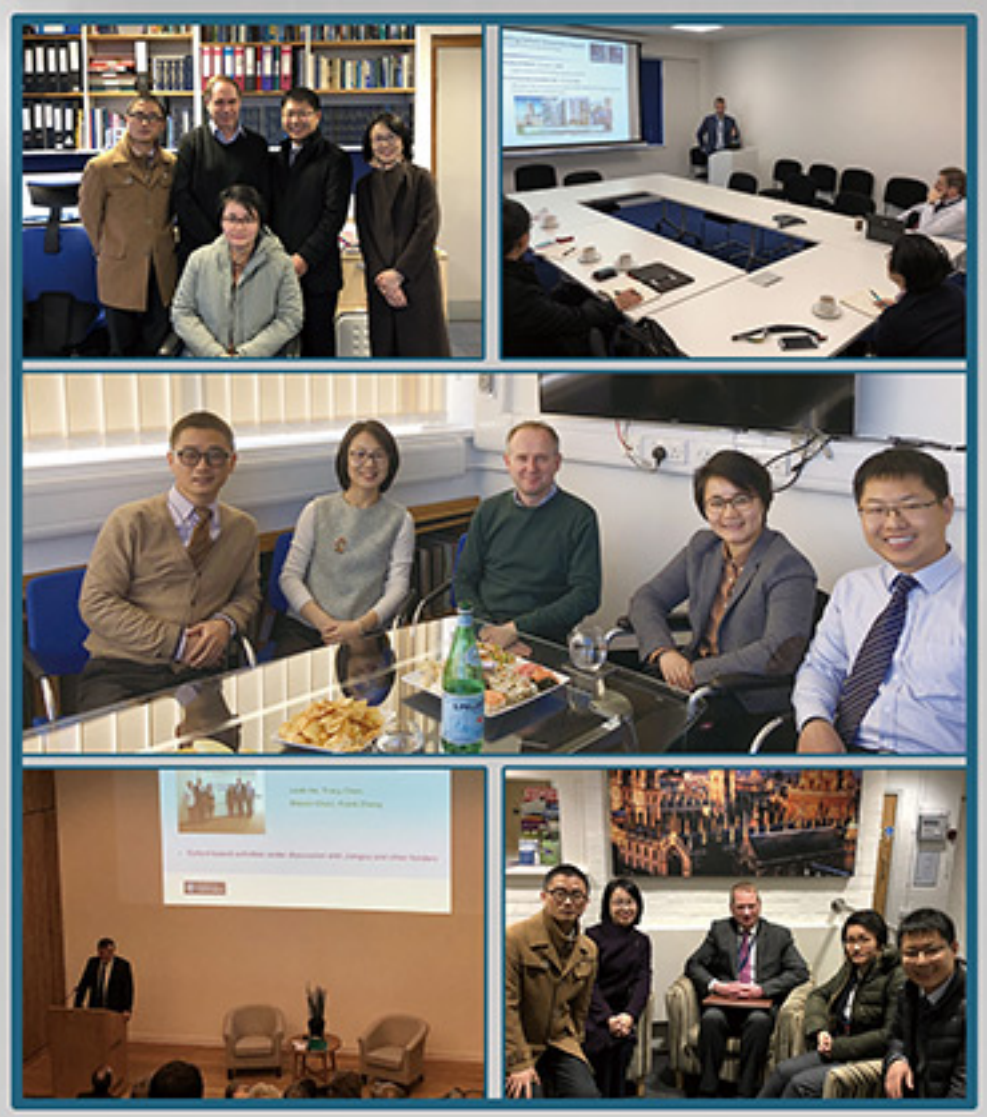
As a wholly owned enterprise of the University, OSCAR will learn from the University's administrative polices and best practice and adapt them to the local context in which OSCAR operates. In addition to the meetings with MPLS divisional administrative team, headed by Dr. Saira Shaikh, extensive meetings were arranged with Heads of Department and Administrators across the four Oxford academic departments involved (Physics, Chemistry, Materials and Engineering Science). The OSCAR team also met with colleagues from functions across the University, including the Finance Division, Research Services, Legal Services, Oxford University Innovation and Begbroke Science Park.



The OSCAR admin team and the people they met at the University had thorough discussions and exchanged views on various topics such as organizational structure, financial policies and regulations, legal oversight and management, building management, and research management. The visit provided a valuable opportunity for both sides to learn from each other's expertise.

The admin team was invited to attend the MPLS winter reception, where the Head of the Division, Prof Donal Bradley, introduced the OSCAR project and the visiting admin team.

During the visit, the second board meeting of Oxford University (Suzhou) Science and Technology Co, Ltd. (OUSST) was successfully convened on 8 February 2018. At the meeting, Ms. Leah He reported to the Board on the current operational status as well as the activities planned for the next six months. Internal management policies such as Delegation of Authorities, Chops Use Record, Risk Register and Financial policies were reviewed and discussed. The next OUSST board meeting will be held on 28 June 2018.



Dr Yang Yang from the Computational Health Informatics Group Begins Research at OSCAR

Dr Yang Yang has begun the Computational Health Informatics (CHI) Lab's research programme at OSCAR which will focus on developing novel 'smart' healthcare technologies, including patient-safety and monitoring systems. Dr Yang has previously worked on 'Big Data' methods for identifying infectious disease and the China Kadoorie Biobank projects. She is now leading the bidirectional translation of research between Oxford and Chinese sites of CHI Lab, with a personal interest in deep learning and healthcare applications.

Dr Yang received her BEng and DPhil degrees from Shanghai Jiao Tong University in 2006 and 2013, respectively. She studied in the Intelligent Maintenance System Centre at University of Cincinnati in USA from 2007 to 2008, and then in the State Key Laboratory of Mechanical System and Vibration at Shanghai Jiao Tong University. She joined the CHI Lab as Oxford University's second K.C. Wong Fellow in 2015, then as senior research associate in 2017.

Her doctoral research focused on non-stationary signal processing based on time-frequency analysis (TFA) tools. She has also developed TFA tools in the analysis of non-stationary signals from rotary machinery and guided wave-based structural health monitoring. A particular emphasis of her work is feature selection for unsupervised learning. Her research interests include signal processing, machine condition monitoring and fault diagnosis.

Brief
Introduction to the CHI Lab

The CHI Lab, based at the Institute of Biomedical Engineering at the University of Oxford, focuses on 'AI in healthcare'. It creates AI-based interventions for healthcare systems, based on some of the world's largest anonymised healthcare datasets, and includes work with wearables and hospital data, across scales from the massively multivariate (including anonymised genomics) to the high-rate data acquired from medical devices.

Systems developed by CHI Lab are routinely used in the care of patients within the UK National Health Service, and for improving access to healthcare in the developing world. Clinical collaboration is at the heart of each of their projects, with biomedical engineers working alongside clinical colleagues, which ensures that each project feeds directly into the care of patients.

CHI Lab has a strong focus on the application of research and has commercialised several technologies, including jet engine health monitoring systems (used by the Airbus A380 and Boeing 787 Dreamliner), and the world's first FDA-approved patient monitor.

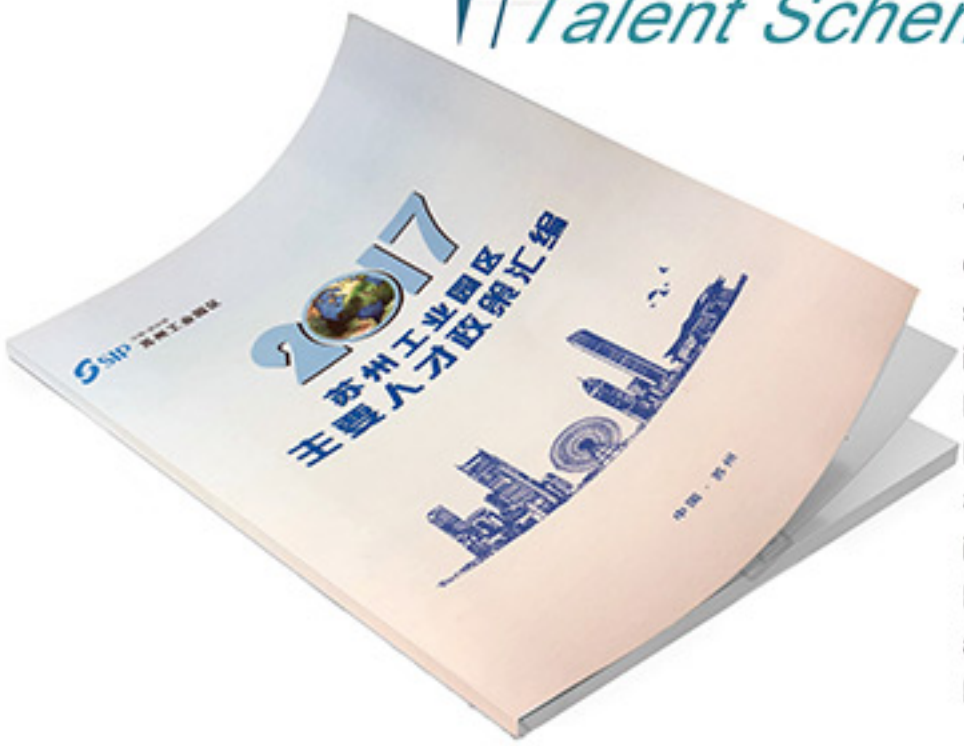
Their Chinese lab will collaborate with academic and hospital networks in Beijing, Shanghai, Guangzhou, and other locations across China.

OSCAR Elected to SIP University Development Alliance

OSCAR attended the SIP University Development Alliance annual meeting on 30 January. Achievements in University development over the past year were shared with the meeting, and opportunities and development goals for 2018 were discussed between members and SIP government leaders. OSCAR, University of Sydney Centre in China and University of South Australia Technology Transfer Centre were elected as new members of the Alliance.

The SIP University Development Alliance was established in April 2015, with 30 members including universities and research institutes located in SIP. The alliance aims to provide collaborative opportunities and share resources among the members to create a cooperative environment.

Brief Introduction to Talent Schemes in SIP



The Suzhou Government offers various Talent Schemes, the aim of which is to encourage leading international figures in science, technology and business to work in Suzhou. The governments of Dushu Lake Science and Education Innovation District, Suzhou Industrial Park and Suzhou city have several schemes, including 'salary subsidies', the 'Seagull Plan', 'Technological Leaders of Suzhou' and 'SIP Technological Leader Venture Programme'.

Applicants to the schemes are classified across four levels according to their qualifications and experience, which forms part of the eligibility criteria:

Level 1: Noble prize winner, Academician of Royal Academy of Sciences, Fellowship of the Royal Academy of Engineering, Fields Medal, Turing Award, or equivalent.

Level 2: Leader of key laboratories, engineering technology research centres at the national level; or has outstanding contributions in the discipline or professional field.

Level 3: Provincial talent plan winners, project leader in province level, outstanding achievements in the discipline or professional field, Associate Professor, or equivalent.

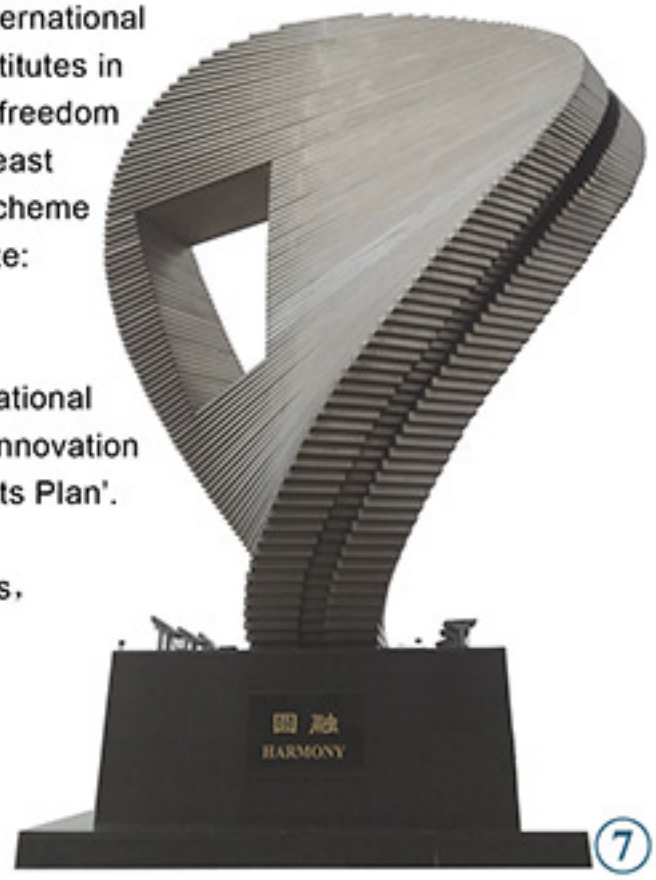
Level 4: PhD, Postdoc, young talents with greater innovation potential.

Subsidies provided are commensurate with the qualification level and experience of the applicant, ranging from 20k to 5m RMB.

For example, the 'Seagull Plan' of 2017 aims to attract more international elites to Suzhou, to assist local companies, universities and institutes in recruiting such high-level talents by offering a subsidy and full freedom to enter and leave China. To be eligible applicants must be at least Level 3. The maximum subsidy offered is 500k RMB, and the scheme requires a minimum of 15 working days in Suzhou per year (note: 2018 version of the guidance has not been published yet).

It is possible to hold multiple awards across the province and national level, for example a candidate could hold both the 'High Level Innovation and Venture Talents Plan in Jiangsu' and 'National 1000 Talents Plan'.

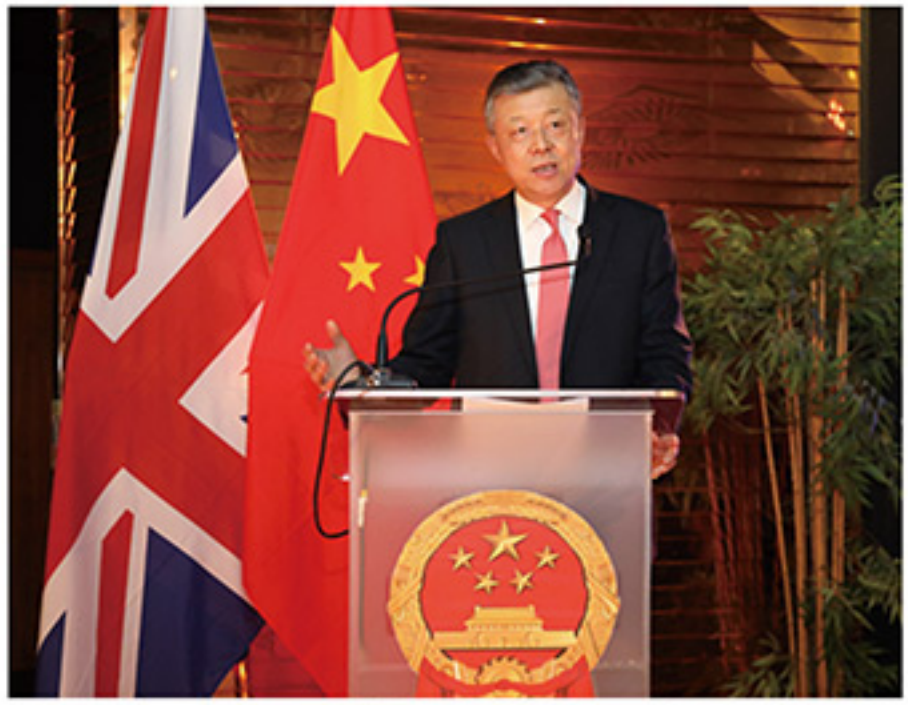
Contact Dr. Weizhi Liu for more information about talent policies, email address weizhi.liu@oxford-oscar.cn.



Progress of OSCAR's Fit-out and Construction in February

- IT construction plan was completed at the end of February 2018.
- Tendering (Chinese Government regulated) has started for OSCAR's fit-out.
- Design work and material gathering for the 'Exhibition Hall' on the ground floor of the OSCAR building has begun.
- Specification and suppliers for the wiring, air-conditioning, lights, doors, lab furniture and IT equipment etc were confirmed.
- Materials for the walls, ceiling and floor have been selected.

1. Stone and Ceramic tiles for floor and wall of elevator hall:
2. Materials for wall, floor, ceiling and doors:
3. Light grey epoxy screed for lab floor
4. 'Fabric Violet'(K7390-41A)PVC for corridor
5. Carpet for open offices
6. Carpet for individual offices



[Photo provided to chinadaily.com.cn]

OSCAR: Delightful'Chords' of China-UK Educational Exchange and Cooperation

OSCAR was described as one of the delightful 'Chords' of a symphony of China-UK educational exchange and cooperation by H.E. Ambassador Liu Xiaoming at the Chinese New Year Reception.

Liu Xiaoming, China's ambassador to the UK, spoke at the Chinese New Year Reception for UK Education Partners.

If we compare China-UK educational exchange and cooperation to a 'symphony', its 'main theme' is loud and clear: Such cooperation enjoys full government backing from both countries.

Secondly, with flourishing exchanges on all fronts, this 'symphony' offers delightful 'chords'.

The cooperation on scientific research between universities of the two countries has been greatly advanced by the establishment of joint research centres. These include the **Oxford-Suzhou Centre for Advanced Research,** the Centre for Education on Scientific Innovation set up by Cambridge and Nanjing, and the 5G Innovation Centre at the University of Surrey.

Thirdly, the 'symphony' of educational exchange and cooperation presents a 'rich harmony' of mutual learning of language and culture.

See more from chinadaily.com.cn
http://www.chinadaily.com.cn/a/201802/08/WS5a7c295da3106e7dcc13b9cb.html
Remarks by H.E. Ambassador Liu Xiaoming at the Chinese New Year Reception for UK Education Partners: A Symphony of China-UK Educational Exchange and Cooperation

Neighbours of OSCAR
Suzhou Institute of Biomedical Engineering and Technology (SIBET)

Suzhou Institute of Biomedical Engineering and Technology
Chinese Academy of Sciences

The Suzhou Institute of Biomedical Engineering and Technology (SIBET) is the only institute in the Chinese Academy of Sciences focusing on research in to bio-medical instruments, bio-medical reagents and bio-materials.

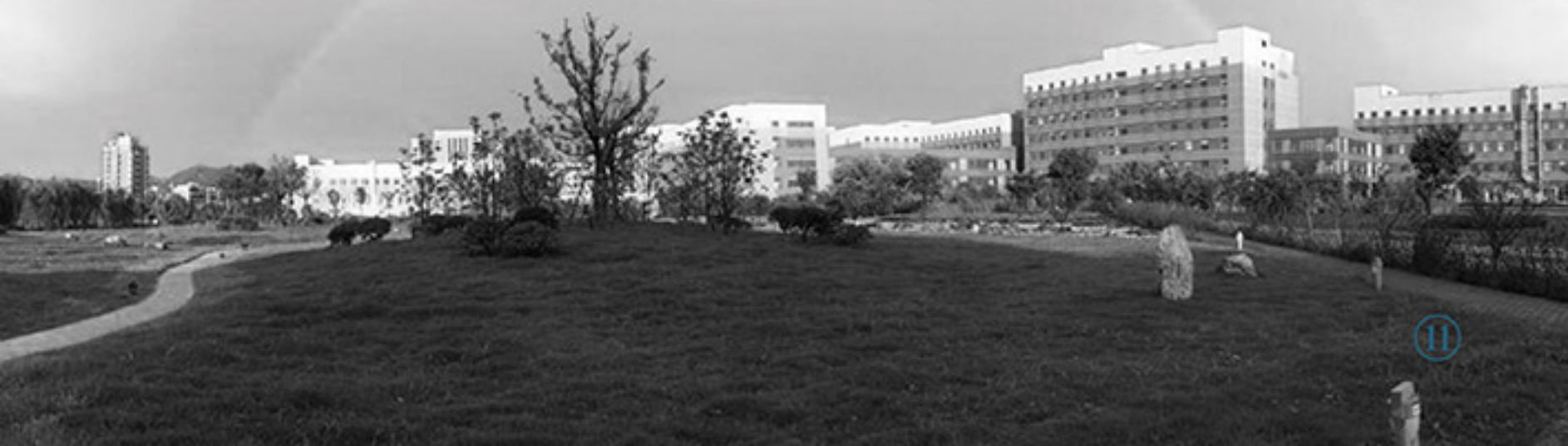
Established in Nov. 2011, SIBET's mission is to stimulate the development of biomedical engineering technologies in China and establish a platform for innovation in medical instruments.

SIBET has seven laboratories, including medical optics, technology for in-vitro diagnosis, medical imaging, medical acoustic technology and biomedical engineering for rehabilitation. New blood analysis technologies and super-resolution microscopy are the main targets for breakthrough. The institute houses the Key Medical Optics Laboratory of Jiangsu Province and four municipal level high-tech laboratories, as well as the Institute's Medical Diagnostic Products Division.

SIBET attaches great importance to the eventual commercialization of research results and has established both a medical equipment industry zone and the first industrial technology innovation alliance for medical equipment in Jiangsu province. SIBET is also devoted to exploring new modes for the commercialization of medical devices in order to improve the condition of medical instruments industry.

To ensure it remains globally competitive, SIBET has established joint R&D centers with universities such as John Hopkins University, and companies such as Foreal Spectrum, Inc. By means of cooperative projects, employee exchanges and establishing joint research centers, SIBET's research capacity and international standing has increased.

http://english.sibet.cas.cn/



SIP News in February

New XJTLU campus announced during state visit by UK Prime Minister

Plans for a new campus for Xi'an Jiao Tong-Liverpool University were unveiled during the UK Prime Minister's state visit to China in January.

Mrs May was accompanied by Professor Dame Janet Beer (left, wearing a red scarf) and other members of the Prime Minister's delegation who attended the launch of a new 'English is GREAT' campaign in Wuhan, a new initiative to promote English language learning in China and one of several new education deals between the two countries.

The new XJTLU campus, to be constructed in the city of Taicang, will mirror aspects of XJTLU's existing provision, offering a high caliber, international higher education experience with the opportunity to study both in China and in the United Kingdom. It is proposed that the campus will open in 2020 and it is anticipated to grow to a community of 6,000 students by 2025.

Dame Janet said: 'XJTLU has established itself as an outstanding example of Sino-British collaboration in higher education. I am delighted that the University of Liverpool, together with XJTLU and Xi'an Jiao Tong University, and in partnership with the Taicang City Government, are building on this international success.'

The new campus will enable new and innovative links to be formed between XJTLU, industry and the local community in Taicang, supporting sustainable development and providing opportunities for students to spend time working with and within the city's expanding industrial base. A key focus will be to develop graduates in science and technology with expertise in AI and robotics who will go on to lead new industries.

The proposed campus in Taicang will include space dedicated to research, learning and teaching, and innovation and entrepreneurship. It will also have a dedicated library, sports facilities and accommodation for students and staff and be designed to support an international community in an eco-friendly environment.

The new campus is expected to contribute to the overall growth of XJTLU to 24,000 students by 2028.

http://www.sipac.gov.cn/english/news/201802/t20180201_681492.htm

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