

牛津大学高等研究院（苏州）

OXFORD SUZHOU CENTRE FOR ADVANCED RESEARCH

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OSCAR
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PIs and their groups with admin team of OSCAR

Principal Investigators Start Research Programmes at OSCAR

In the first month of 2018 three Principal Investigators (PIs) from the University of Oxford arrived to start or continue their research programmes in OSCAR. Prof Zhanfeng Cui, Prof Cathy Ye and Prof David Clifton were updated on the progress of establishing OSCAR and briefed the scientific research environment and policies of the Suzhou Industrial Park (SIP). They also paid visits to potential research partners across SIP.

After the Chinese New Year, more PIs with their groups will visit and begin their research at OSCAR.

Collaborations with Chinese Universities and Research Organisations

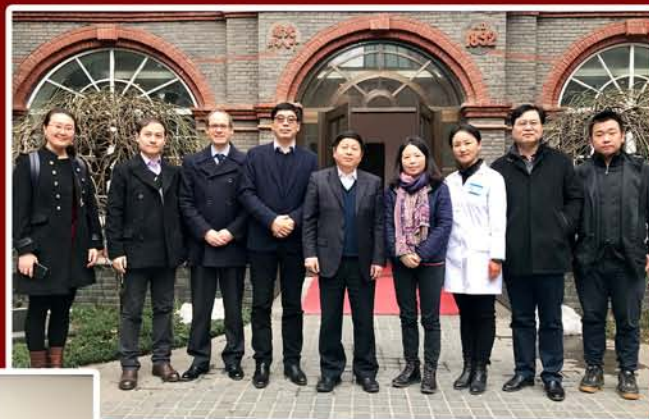


Prof Cui and Prof Ye visited Jiangsu Industrial Technology Research Institute (JITRI), and had a meeting with Prof Liu Qing, President of JITRI. The meeting focused on building technology transfer relationships between OSCAR and JITRI, and how JITRI could support OSCAR to do it.



Prof Cui visited Tianjin Hospital of ITCWM Nankai Hospital and had a conference with Wang Ximo, the president of the hospital. They discussed potential cooperation between Nankai Hospital and OSCAR in AI diagnosis and big data, as well as Traditional Chinese Medicine and Western Medicine.

- Prof Ji Shishan, Dean of Research Institute of Tsinghua University in Shenzhen and Prof Liu Renchen (Vice Dean) visited Prof Cui at OSCAR.



➤ Prof Cui and Prof Ye visited Nanjing Drum Tower Hospital, and had a meeting with vice president Sun Lingyun. They discussed cell therapy clinical trials in the treatment of cancer.



- Prof Wan Yinhua, Deputy Director of State Key Laboratory of Biochemical Engineering, visited Prof Cui at OSCAR.



➤ Prof Ma Xuehu, Vice Dean of graduate school of Dalian University of Technology visited Prof Cui at OSCAR.



Prof Ye visited Soochow University and viewed the equipment that will be used in the next few months.



Prof Ye visited Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO) and viewed the equipment that will be used in the next few months.



◀ Prof David Clifton and his group visited AK Biomedical Ltd with Prof Cui.



▶ Prof David Clifton and his group visited Chinese Cardiovascular Association to discuss the possibility of cooperation.

During January, Professor David Clifton of the Computational Health Informatics (CHI) Laboratory, along with his senior researchers, Dr Yang Yang and Dr Tingling Zhu, visited Chinese collaborators in Beijing and Shanghai to further develop the nascent research activity of the CHI lab within OSCAR.

Long-term collaborators (based in Oxford and Beijing) at the George Institute for Global Health organised an event on “Big Data Analytics in Healthcare”, which brought together colleagues from the George Institute, Peking University, Anzhen Hospital (one of China's leading cardiovascular centres, based in Beijing), and Zhengzhou First Hospital (the world's largest hospital, based in Henan Province). The main focus of the workshop was to discuss intelligent patient monitoring and the use of AI for predicting patients at risk of cardiovascular disease.

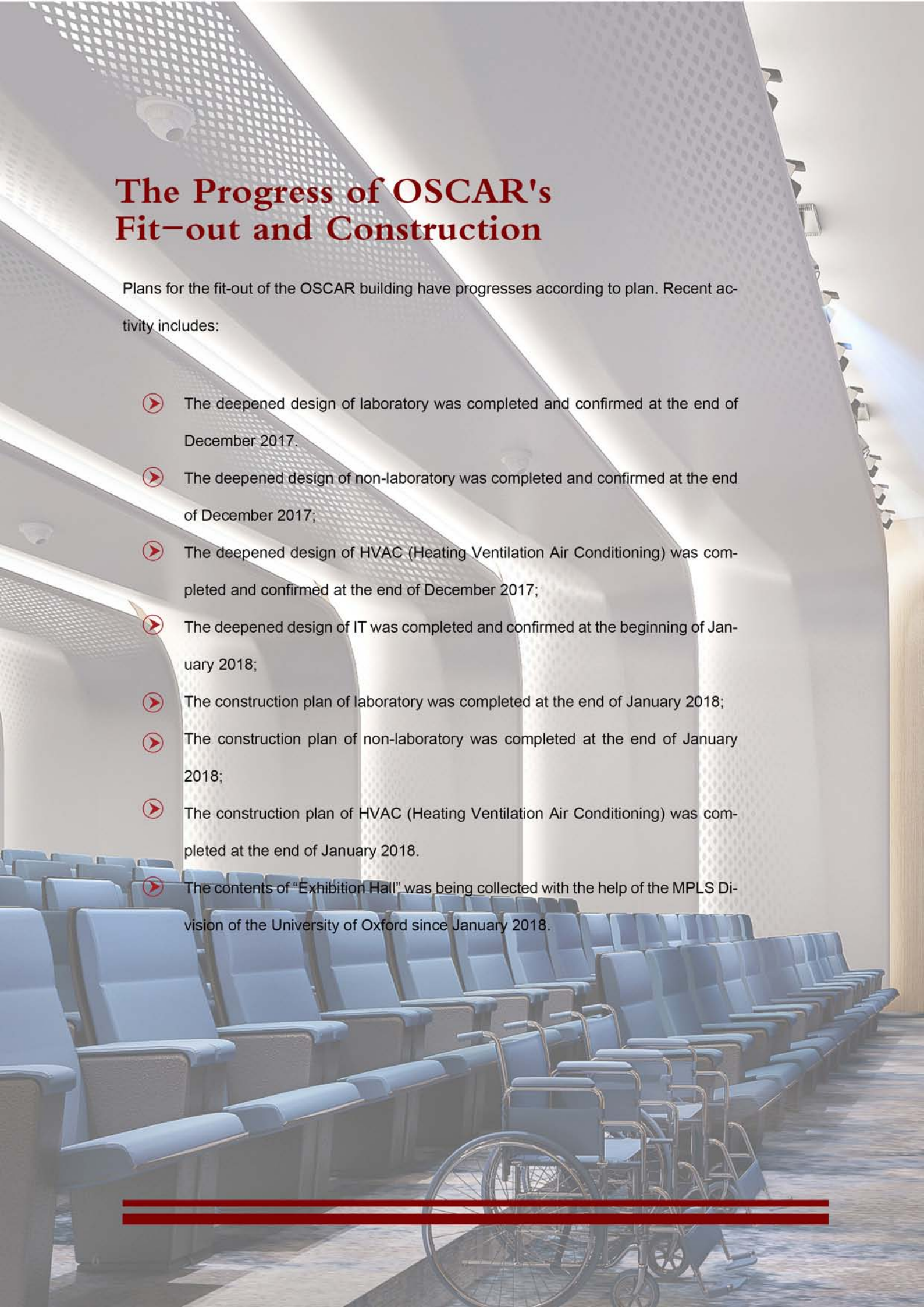
Following the trip to Beijing, the team visited Shanghai Xuhui Central Hospital (affiliated to Fudan University) to sign a Memorandum of Understanding; this focussed on future projects aiming to improve patient care using AI techniques. While in Shanghai, the CHI team met with colleagues from Fudan University and discussed potential collaboration with that university's Institute of Science & Technology for Brain-Inspired Intelligence (ISTBI).

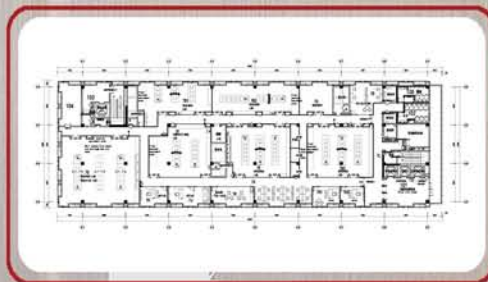
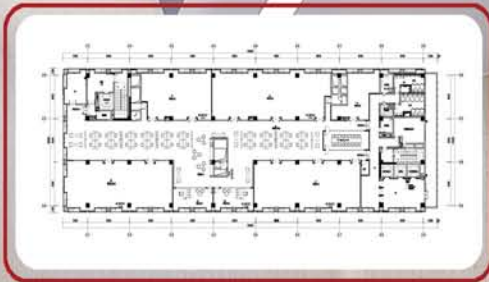
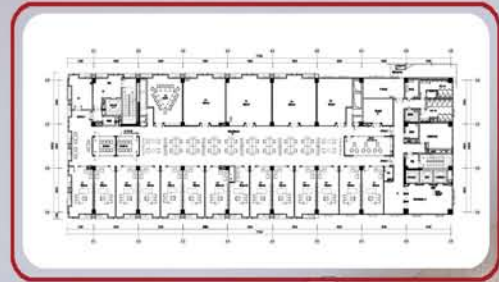
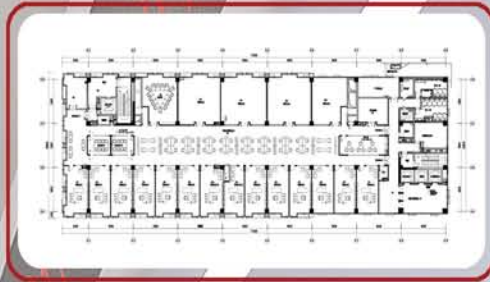
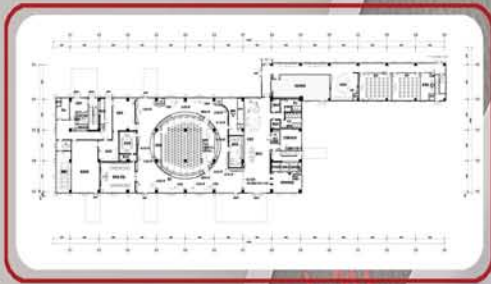
The trip concluded at OSCAR. Leah He, OSCAR's General Manager, kindly arranged a series of visits around SIP for the CHI team, including a tour of the highly impressive SIP Exhibition Hall (including VR tours of the surrounding districts), and a meeting with the Chinese Cardiovascular Association (CCA). The CCA and the CHI team discussed mutual interests in the use of AI-based techniques improving the outcome of cardiovascular patients, where the CCA provides data analysis and care for a very large number of China's cardiovascular specialist hospitals.

The Progress of OSCAR's Fit-out and Construction

Plans for the fit-out of the OSCAR building have progressed according to plan. Recent activity includes:

- The deepened design of laboratory was completed and confirmed at the end of December 2017.
- The deepened design of non-laboratory was completed and confirmed at the end of December 2017;
- The deepened design of HVAC (Heating Ventilation Air Conditioning) was completed and confirmed at the end of December 2017;
- The deepened design of IT was completed and confirmed at the beginning of January 2018;
- The construction plan of laboratory was completed at the end of January 2018;
- The construction plan of non-laboratory was completed at the end of January 2018;
- The construction plan of HVAC (Heating Ventilation Air Conditioning) was completed at the end of January 2018.
- The contents of "Exhibition Hall" was being collected with the help of the MPLS Division of the University of Oxford since January 2018.





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VectorBackground

Meet New Staff of OSCAR



Dr Hui Wang

Hui Wang joined OSCAR in 2017 as a Senior Research Fellow working with Professors Cui and Ye. He had his Bachelor and M.Sc in plant physiology and biochemistry from the Beijing Agricultural University in 1987 and 1990, D.Phil in virology from St. Cross College, the University of Oxford in 1996. Work experience includes two postdoctoral positions (Higher Scientific Officer, 1995-1999), two of senior positions (Senior Scientific Officer, 1999-2001; group leader Principal Scientific Officer, 2002-2014) in the Centre for Ecology and Hydrology (formerly the Institute of Virology and Environmental Microbiology), Natural Environmental Research Council, Oxford, UK. He moved to the Department of Zoology, Oxford in 2014 as a Senior Research Fellow, then the Department of Engineering Science in 2016. Long term research interests are viral pathogen-host interactions in plants, animals and humans. Current interests include genomics applications in human stem cell engineering.



Dr Weizhi Liu

Weizhi Liu received his PhD degree in Materials Science at Queen Mary University of London in 2014, joined Oxford MESTar as project manager from 2014 to 2017, then joined OSCAR in 2018.

Currently he works as Executive Assistant to the Director of OSCAR, responsible for supporting the Director in the management and operation of OSCAR with particular focus on developing and managing external relationships with the key stakeholders of the Centre in China, including government agencies, business, industry and counterpart universities. He is also responsible for identifying and developing grant funding opportunities, potential joint ventures, research relationships, commercial opportunities and more general operational and administrative support.



UK Prime Minister Theresa May Arrives in China on Official Visit

United Kingdom Prime Minister Theresa May arrived in Wuhan, central China's Hubei province on 31st January, starting a three-day official visit to the country at the invitation of Chinese Premier Li Keqiang.

Mrs May, who is accompanied by a large business delegation, will also head to Beijing.

During the visit, Mrs May will co-host the bilateral annual prime ministerial meeting with Li and meet with Chinese leaders in Beijing to exchange opinions on bilateral ties and international and regional issues.

This is Mrs May's second visit to China as prime minister after she attended the G20 Summit in the eastern Chinese city of Hangzhou in September 2016.

CHINADAILY 31st January, 2018
[Images via China Daily, Xinhua]



Neighbours of OSCAR

➤ Centre of Systems Medicine, Chinese Academy of Medical Sciences, Suzhou Institute of Systems Medicine

Overview

The Centre of Systems Medicine, Chinese Academy of Medical Sciences, Suzhou Institute of Systems Medicine (ISM) is a joint initiative between Chinese Academy of Medical Sciences and the local government of Suzhou Industry Park (SIP) and Suzhou Municipality. ISM will serve as a new model that exploits systems biology and translational medicine approaches for discovery- and innovation-based research and development towards medical and healthcare problems. ISM is committed to gaining an international reputation for excellence in research and education by combining its academic resources together with closely affiliated hospitals and translational research incubators, and to developing a fully integrated patient-to-bench-to-product approach to fighting human diseases.



Mission and Goals:

Target the understanding and intervention of complex human diseases that affect general populations in the world, including cancer, infectious, metabolic, inflammatory, and degenerative diseases.

Transform medical practice through developing novel prediction, diagnosis, treatment and prevention for major human diseases.

<http://www.ismsz.cn/Index/EDefault>



➤ Suzhou Research Institute of University of Science and Technology of China

Suzhou Research Institute of University of Science and Technology of China, jointly established by University of Science and Technology of China(USTC) and Suzhou Municipal Government, is an advanced research and education institution striving to explore a diversified development path through cooperation between enterprise, college and scientific research institution.

Located in Dushu Lake Higher Education Area in China-Singapore Suzhou Industrial Park, the Institute enjoys beautiful and elegant scenery with an area of 150,000 square metres, construction area of 44,000 square metres, and a total infrastructure investment of 210 million yuan. With an open architectural style, an elegant campus environment, complete teaching facilities, qualified teaching staff and outstanding scientific research strengths, the institute is an advanced research and education institution integrating modern scientific research with talent cultivation.



SIP News in January

► Building a Sino-British Scientific and Technological Innovation Community

"In early December last year, China and the United Kingdom jointly issued the Sino-British Science and Technology Cooperation Strategy, marking that our two countries have opened a new chapter in scientific and technological innovation cooperation." Jiang Sunan, Minister Counselor for the Science and Technology Department of the Chinese Embassy in the United Kingdom, recently said in an exclusive interview with Science and Technology Daily.

According to Counselor Chiang, with only 0.9% of the world's population, 2.7% of research and development input and 4.1% of research personnels, the UK produces 6.3% of the World's scientific papers, with 9.9% of total downloads, 10.7% of total citations and 15.2% of citations in high level journals. The United Kingdom is an important innovative country with the highest efficiency of research and development in the world, leading level of international cooperation, and balanced development of various disciplines.

The rapid development of technological and innovative strength and huge market in China are the important reasons why the United Kingdom is willing to strengthen its innovative cooperation with China. The willingness is stronger especially in the current context of Brexit. The further strengthening of cooperation between our two countries can promote the transnational development of superior technologies and advantageous industries and is expected to become a model of mutual benefit and common progress.

(Zheng Huanbin) Science and Technology Daily 17th, January, 2018

► The Grand Opening of the Public Platform for Medical Testing Laboratory

On 23rd January, the Public Platform for Medical Testing Laboratory in Suzhou Industrial Park (the Public Platform), set up by Suzhou Biomedical Research and Development Centre, a subordinate unit of Science and Technology Information Bureau of Suzhou Industrial Park, held an opening ceremony in Suzhou Biomedical Industrial Park. Covering an area of more than 4,000 square metres, the Public Platform is the largest and strongest public service platform for third-party medical testing in Jiangsu Province, equipped with world-class testing and analysis equipment.

The Public Platform can provide public services to more than 500 biomedical enterprises in Suzhou Industrial Park, reduce overlap of inputs, and help enterprises realize the transformation of scientific and technological achievements and the upgrading of industries.

From www.biodiscover.com

► UniSA finds research finding industrialisation centre in SIP



The University of South Australia (UniSA), a public research university in the Australian state of South Australia, inaugurated its Suzhou Research Finding Industrialisation Centre in Dushu Lake Science & Education Innovation Zone, SIP on 29th Jan. As UniSA's first project of this kind in the country, the centre will help introduce a number of UniSA projects into SIP.



Considering that UniSA's research focuses on bio-tech, unmanned vehicles, satellite technology and new materials perfectly meshed with SIP's development plan for biomedicine, nanotech and artificial intelligent, the centre is also expected to deepen strategic cooperation between the university and SIP enterprises.

A roadshow took place on the same day, displaying three projects concerning new drugs against Alzheimer's, cancers and diabetes as well as two for application of stem cell technology in medical treatment.

29th January, 2018

http://www.sipac.gov.cn/english/news/201801/t20180129_680302.htm



HAPPY CHINESE NEW YEAR!



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