

- P07 | Nobel Prize Laureate Prof. Ferid Murad Visited West China Hospital, Sichuan University
- P08 | West China Hospital Embraced its First International Telemedicine Network Hospital and Established the First Telemedicine Consultation Platform in Sao Tome and Principe
- P10 | Prof. Colin Humphreys of the University of Cambridge Visited SCU

SCU NEWS LETTER

SUMMER

2019 N° 26



2019四川大学* UIP留学生 文化艺术节

2019 Sichuan University
UIP International Students'
Art and Cultural Festival



SPOTLIGHT

2019 UIP Grandly Kicked-off in SCU





SCU
NEWS
LETTER
SUMMER
2019 N° 26

CONTENTS

The Newsletter is published by the International Office of Sichuan University. We aim to share the latest news and events on our campus with our faculty members, students, and alumni of the University, as well as friends around the world. Any suggestions and questions are welcomed from our readers.

Contact Us
Address: No. 24, South Section 1, Yihuan Road Chengdu, Sichuan, 610065, China
Phone: +86-28-85403116
Fax: +86-28-85403260
Email: gaorui@scu.edu.cn

Newsletter Online
The Newsletter is also available online at: <http://www.scu.edu.cn/en/index.htm>

02 Spotlight
2019 UIP Grandly Kicked-off in SCU 02
President Li Yanrong Met with Some University Presidents Attending UIP 05

06 Special Events
An Afghanistan Education Delegation Visited SCU 06
Nobel Prize Laureate Prof. Ferid Murad Visited West China Hospital, Sichuan University..... 07
West China Hospital Embraced its First International Telemedicine Network Hospital and Established the First Telemedicine Consultation Platform in Sao Tome and Principe..... 08

09 Visitors
A Delegation from the Clausthal University of Technology Visited SCU..... 09
Prof. Colin Humphreys of the University of Cambridge Visited SCU 10
A Delegation Led by President of Chiang Mai University, Thailand, Visited SCU 11
President of Yokohama National University Yuichi Hasebe Led a Delegation to Visit SCU..... 12
Mark R. Middleton, Director of the Cancer Center, Oxford University, Visited SCU 13
A Delegation of Woosong University Visited SCU..... 14

15 SCU Abroad
SCU Delegation Attended the Meeting of Council of Sino-Russia Cooperation and University Alliance Forum in Russia..... 15
SCU Delegation Visited Singapore, Japan and South Korea 17

19 Cooperation
SCU Signed a MOU with the University of Bristol, UK 19

20 Huaxiba Academician Lecture Series
Prof. Alexei Verkhatsky, Academician of the European Academy of Sciences, the German Academy of Sciences, and the Royal Academy of Sciences of Spain, Delivered a Lecture in the Huaxiba 20
Professor Carlo M. Croce, the Academician of the National Academy of Sciences, USA, Gave the Lecture in Huaxi Campus 21

23 Academics Highlights
Brilliant Biomaterial Engineering 23
SCU Ranked 53rd among Global Universities in the Latest Nature Index..... 26
West China School/Hospital of Stomatology SCU Topped the Nature Index in Dentistry 26
Academician Zhang Xingdong Conferred “Honorary Doctorate” of University Polytechnica of Bucharest 27
Prof. Liu Xiaohua, College of Chemistry, SCU, Won the “Award for Chinese Young Women Scientists” 28
SCU Alumna Li Tan Listed into Forbes “Women in Tech” 29
SCU Alumna He Fang Listed into Forbes China’s Most Outstanding Businesswomen..... 30

31 Conferences
Engineering Science and Technology Forum for Sustainable Development of Polymer Materials Held in SCU 31
The International Workshop of Water Disaster Mitigation and Water Environment Regulation, Sponsored by the State Key Laboratory of Hydraulics and Mountain River Engineering of Sichuan University, Was Successfully Held 32
SCU Held the 5th Global Young Scholars Forum to Draw Top-Notch Talent..... 33
Professor Gretchen Kalonji Attended the Fourth UN Special Thematic Session on Water and Disasters 35
International Seminar on Green Development and Social Governance Held in SCU..... 36
The 2019 Chinese Classical Show for International Students Staged in SCU 37



2019 UIP Grandly Kicked-off in SCU

On the evening of June 30th, the “2019 University Immersion Program” (UIP) of Sichuan University was grandly kicked-off at the Jiang’an Campus Gymnasium. 184 professors and more than 600 students from 144 world-class universities in 31 countries and regions, including the University of Cambridge, University of Oxford, Harvard University, Stanford University, and Tohoku University, joined this event together with their peers of SCU. The Chairman of the University Board Prof. Wang Jianguo,

President Li Yanrong, Vice President Prof. Yan Shijing, Deputy Chairman of SCU Board Prof. Cao Ping, Vice President Prof. Zhang Lin, Vice President Tu Zhi, and heads of relevant departments as well as representatives of teaching staff and students, attended the opening ceremony hosted by Vice President Prof. Yan Shijing.

President Li first welcomed the teachers and students from all over the world. He said that SCU is a long-standing university with a wide range

of disciplines, featuring opening-up and inclusiveness, and with great influence at home and abroad. In the process of building a world-class university, SCU hopes to broaden the horizons of its students, improve their international competitiveness and global competence through a wider range of international education. In the past seven years, more than 1,000 internationally renowned professors were invited to offer over 1,000 English courses and around 2,500 foreign students attended the UIP programs in SCU. Last year, SCU launched the “SCU Global Horizons” program, an active step to offer subsidy to over 3,000 SCU students each year for short-term exchanges or internships in international organizations. He hoped that the students could deepen their friendship, and gain further insights into cutting-edge technologies and knowledge.

Prof. Joachim Schachtne, President of the Clausthal University of Technology, noted that Sichuan University is one of top ten Chinese universities with comprehensive strength,

and also an important partner of Clausthal University of Technology. For a long time, the two universities have conducted successful cooperation in teaching and research, and more than 800 teachers and students have participated in the exchange and joint training. UIP has not only enhanced their friendship and mutual trust, but also laid a solid foundation for further cooperation between the two sides, he added.

Prof. Ilya V.VOROTYNTSEV from Nizhny Novgorod National Technical University, Prof. Wang Xun from Tsinghua University, Prof. Igor Lukšič from the University of Ljubljana, Prof. Peter Steiner from the University of Pennsylvania, and student representative Zhu Shu from Wuyuzhang Honors College, delivered speeches respectively. They congratulated the opening of UIP and hoped to promote cultural exchanges between China and the world through UIP, strengthen exchanges among young people from all over the world, and enhance mutual understanding and friendship.

At the flag ceremony, Prof. Wang Jianguo conferred the flag of 2019 UIP to Daniel Amezcú from the Monterrey University of Technology and Zhao Jie from the School of International Studies, SCU. In the countdown of the teachers and students and the intelligent robot Uni, the 2019 UIP of SCU was officially launched.

Then, an excellent Tibetan dance unveiled the art feast for teaching staff and students. SCU students sang a





song "Dream from the Heart", read the Chinese classic poem "Bringing in the Wine", staged a dance "Indian Phoenix", etc. while the song& dance performance "Hometown" by the Russian delegation from the "Yangtze River-Volga River" University Alliance showcased unique Russian characteristics, and the Sichuan Opera Face-changing brought the show to a climax.

In the next two weeks, experts and scholars from all over the world will offer over 200 courses and academic lectures covering a wide range of disciplines and profes-

sional frontier information, making it possible to cater for the needs of students. Another highlight of this year's UIP is that academicians and well-known professors from domestic universities, including Peking University, Tsinghua University, and Fudan University, will be invited to join this activity, and "Global Vision Lectures" will be presented to the students. Meanwhile, SCU will carry out a series of colorful international exchange programs, creating a cultural exchange platform for more than 600 international students and thousands of SCU students. 🏠

On the afternoon of June 30th, President Li Yanrong met with leaders and experts from the Clausthal University of Technology, Texas Tech University, Arizona State University, University of California, Riverside attending 2019 UIP. Vice President Yan Shijing and heads of relevant departments joined the meeting.

During the meeting, President Li welcomed the guests and introduced to them the overall situation of SCU, especially the international exchanges and cooperation. He stressed that international exchanges and cooperation are of vital significance to SCU; and SCU is making every effort to push forward a comprehensive, multi-level partnership with high-level universities in the world. Especially in recent years, SCU has vigorously promoted international exchanges and cooperation to broaden students' international horizons, and enhance their international competitiveness and global competence. For this purpose, UIP and "SCU Global Horizons" programs have been held. He hoped to conduct more in-depth, pragmatic and sustainable cooperation with sister universities in students exchange, scientific research and humanities exchange.

The visiting leaders highly appreciated the UIP activities and expressed their intention for further promoting exchanges and cooperation with Sichuan University.

Prof. Joachim Schachtne, Presi-

President Li Yanrong Met with Some University Presidents Attending UIP



dent of the Clausthal University of Technology, reviewed the achievements of comprehensive cooperation between both sides in the past 15 years. A cooperation agreement in 2018 to jointly build the Sino-German Joint College marks a new level of cooperation between the two sides, he said, adding that both

sides could further deepen cooperation and cultivate more outstanding talents for the economic and social development of the two countries.

Joseph Heppert, Vice President of Texas Tech University, said that SCU'S UIP is highly appreciated by

American teachers and students, who have not only absorbed the Chinese culture, but also conducted deep exchange and good communication with the peers of SCU, helping to broaden their international vision and improve their academic competence.

Stefanie Lindquist, Vice President of Arizona State University, expressed her gratitude and congratulations to the UIP. She said that during the 13 years of cooperation, the two institutions have carried out extensive, multi-disciplinary and multi-level exchanges, and achieved remarkable results. Arizona State University has sent 17 professors to offer courses for SCU students, in a hope to further promote the exchanges between both sides and bear fruitful results from joint training of talents.

Kelechi Kalu, Vice President of the University of California, Riverside, said that the participation of Riverside in UIP for the first time has laid a solid foundation for further cooperation. He hoped to further explore areas of cooperation and forge ahead through concerted efforts. 🏠





An Afghanistan Education Delegation Visited SCU



On May 27th, President of Kabul University & Presidential Advisor of Afghanistan, Hamidullah Farooqi, led an education delegation to visit Sichuan University, along with Khusraw Nazri, President of Badakhshan University, Mohammad Mustafa Younusad, Director of the Higher Education Department of the Ministry of Education, Afghanistan, Mohammad Noor Amin, Head of Academic Projects of the Ministry of Higher Education, Hafizullah Sherzai, Chairman of the Afghan Foreign Friendship Association, and relevant officials from Afghan President's Higher Education Office. President Li Yanrong, together with Vice President Yan Shijing and relevant department heads of SCU, met with the guests.

President Li Yanrong welcomed the visit of the Afghan education delegation. After introducing the overall situation of SCU, President Li stressed that Sichuan University continuously strengthened exchanges and cooperation with the universities of the "Belt and Road" countries, in active response to the "Belt and Road" Initiative. Especially, after the visit of H.E. Mohammad Sarwar Danesh, the second vice president of Afghanistan, Sichuan University signed an exchange and cooperation agreement with Kabul University, whereby



researchers had been assigned to participate in a series of international seminars on the reconstruction and development of Afghanistan, contributing to deepening mutual friendship and promoting exchanges and cooperation between both sides. Next, SCU plans to further deepen exchanges and cooperation with Kabul University and other universities in Afghanistan.

Hamidullah Farooqi thanked Sichuan University for its warm reception. He pointed out that as one of the largest and oldest universities in Afghanistan, Kabul University attaches great importance to the cooperation with Sichuan Univer-

sity, and regards it as its most important partner. Since the signing of the cooperation agreement, the two sides carried out fruitful cooperation and made progress in the fields of teaching staff and students exchange and scientific collaboration. "I hope Sichuan University will further enhance its ties with other universities in Afghanistan and provide assistance to Afghan universities in discipline construction, personnel training, and joint research", he added.

During the visit, the delegation had in-depth exchanges with experts and scholars from the South Asian Institute of Sichuan University on relevant issues. 🕌

Nobel Prize Laureate Prof. Ferid Murad Visited West China Hospital, Sichuan University



On May 8th, Nobel Prize Laureate Prof. Ferid Murad visited West China Hospital, Sichuan University, together with the delegation from Global Drug Commercialization Center. Prof. Shen Bin, Deputy Secretary of West China Hospital, greeted the delegation. Representatives from Cardiology Department, Department of Clinical Pharmacy, State Key Laboratory of Biotherapy of Cancer, and Signal Transduction and Targeted Therapy journal took part in the academic discussion.

Prof. Shen briefed the history of development, medical services, research and internationalization of the Hospital, focusing on the integrated system on preclinical, clinical and translational research. He said under the leadership of Sichuan university, West China Hospital is actively seeking for high-quality collaboration with world renowned partners. In particular, both the university and hospital have always been very keen to invite world famous experts like Nobel Prize Laureate to share their expertise and stories with the faculty and students.

Prof. Murad acknowledged the signifi-



cant achievements of both Sichuan University and West China Hospital, and agreed to develop the strategy of collaborating extensively with international partners. This visit did really provide opportunities for both sides to know better about each other and significantly improve research and industrialization.

After the meeting, Prof. Murad delivered a speech entitled Discovery of the Nitric Oxide and Cyclic GMP Signaling Pathway and Application to Drug Development, sharing his research career and stories of winning Nobel Prize. 🕌



West China Hospital Embraced its First International Telemedicine Network Hospital and Established the First Telemedicine Consultation Platform in Sao Tome and Principe

On June 4th, the opening ceremony of International Telemedicine Network Hospital and Telemedicine Consultation Platform of West China Hospital was held at the National Central Hospital in Sao Tome and Principe. This international network hospital, fully supported by the largest telemedicine consultation network in China initiated by West China Hospital, will serve as the first telemedicine consultation platform in Sao Tome and Principe, helping to solve complicated and severe cases in local community.

Participants included Chinese Ambassador to Sao Tome and Principe, Health Minister of Sao Tome and Principe, Party Secretary of Sichuan Health Commission, Deputy Director of Traditional Chinese Medicine Administration of Sichuan Province, leaders of West China Hospital, team members of the first and fourth medical teams to Sao Tome and Principe, as well as representatives from National Central Hospital of Sao Tome



and Principe.

Prof. Zhang Wei, Party Secretary of West China Hospital, addressed that West China Hospital has been following the instruction of the central government to explore new channels for international community. Through international telemedicine consultation, hospitals from both countries can work jointly in physician training, medical techniques upgrading, and quality improvement. Both hospitals will contribute to the well-being of both people and insert new energy to the friendship between both nations.

Dr. Pascal, President of National Central Hospital, expressed his sincere gratitude to West China Hospital and Chinese people. He believed, through this platform, his hospital can build close ties with West China Hospital, significantly improve its capability and enhance academic exchanges with the Chinese counterparts.

Following the opening ceremony, the first case discussion between two hospitals was carried out. Experts from breast surgery, dermatology, cardiology and cosmetics shared their experience and provided valuable opinions.

VISITORS

A Delegation from the Clausthal University of Technology Visited SCU

On March 4th, Alfons Esderts, Vice President of the Clausthal University of Technology, visited SCU to discuss matters relating to construction of the collaborative college. Wang Jianguo, Chairman of the SCU Board, met all members of the delegation. Vice President Yan Shijing and staff of relevant units joined the meeting.

Chairman Wang welcomed the delegation on behalf of SCU. He pointed out that, since the two universities signed the cooperation agreement in 2004, a comprehensive partnership has been established, and fruitful results in personnel training and scientific research have been achieved, laying a good foundation for construction of the collaborative college. This college could further deepen the partnership between both sides, and also set up a good platform for the exchanges and study visits of young students and scholars of the two countries, he noted. SCU will give strong support to the joint construction and bring the cooperation to a new level.

Alfons Esderts said that after 15 years

Background

Founded in 1775, Clausthal University of Technology is one of Germany's leading industrial universities with its excellent teaching and research level. It has many world-famous majors such as metallurgy, energy system engineering, mechanical engineering, mining and petroleum engineering. Today, its research and teaching focus on the interdisciplinary field covering energy engineering, oil and gas engineering, environmental engineering, chemical engineering, materials science, mechanical engineering, processing engineering, information engineering, and economic science, natural sciences, and engineering science.

of close exchanges, CUT and SCU have established a comprehensive partnership, and SCU has also become a close partner of CUT in international exchanges. He hoped that construction of the collaborative college will further strengthen their partnership, give full play to the advantages of both sides, and jointly create an innovative college with international outreach.

During the visit, the delegation conducted in-depth exchanges with relevant departments and colleges of Sichuan University, and discussed specific matters of the collaborative college. 卍



President Li welcomed the visit of the delegation led by Academician Humphreys. After a brief introduction to the basic situation of SCU, he noted that SCU has a good relationship with famous universities such as Cambridge University and Oxford University. Academician Humphreys is an internationally influential scholar, and his team's innovation in the graphene has

a broad space of application. As SCU has a good foundation and strength in the application and performance research of graphene, particularly graphene rubber composite materials, he hoped that both sides will further enhance exchanges and cooperation, especially in the field of graphene sensors.

Academician Humphreys thanked SCU for its warm reception. He noted that he is currently considering to establish a graphene company in Chengdu. He hoped this visit could further tap the advantages of both sides, promote the industry-university-research cooperation, and jointly drive the research, transformation and applications in the field of graphene. 卍

Prof. Colin Humphreys of the University of Cambridge Visited SCU

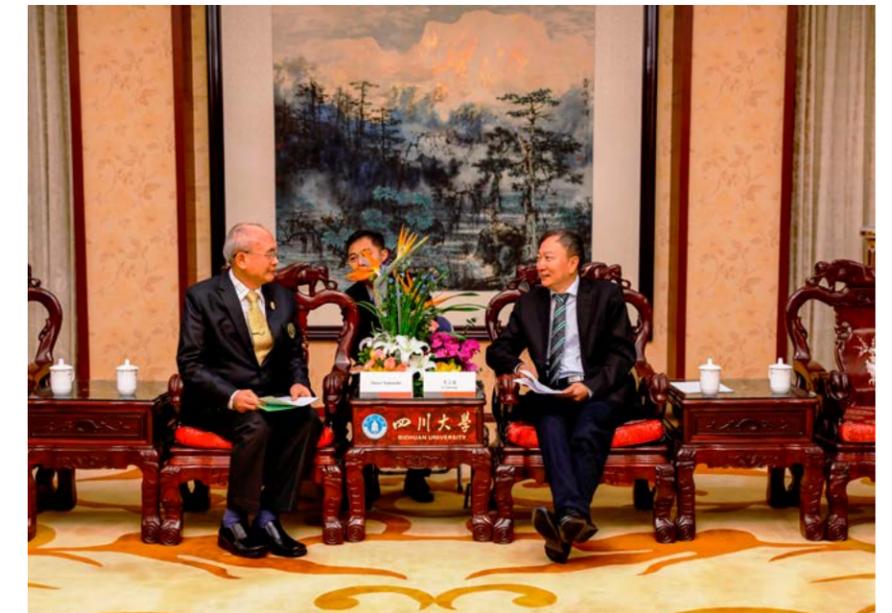
On March 19th, Academician of both the Royal Academy of Engineering and the Royal Society, Prof. Colin Humphreys of the University of Cambridge, along with Song Wenli, Chairwoman of Sichuan Chamber of Commerce in the United Kingdom, visited SCU. President Li Yanrong met with the visiting guests at the VIP Hall of Mingde Building, Wangjiang Campus. Vice President Yan Shijing and the heads of relevant departments joined the meeting.



A Delegation Led by President of Chiang Mai University, Thailand, Visited SCU

On April 15th, Niwes Nantachit, President of Chiang Mai University, Thailand, led a delegation to visit Sichuan University. SCU President Li Yanrong met with the visiting guests. The Consul General of the Royal Thai Consulate-General in Chengdu, Vithit Powattanasuk, the Vice President of Chiang Mai University, Rome Chiranukrom, and the Vice President of SCU, Yan Shijing, as well as relevant personnel of the two universities, attended the meeting.

President Li Yanrong welcomed the delegation of Chiang Mai University. He pointed out that in active response to the Belt and Road Initiative, SCU has



continuously deepened exchanges and cooperation with universities along the "Belt and Road" in recent years, especially with well-known universities in Thailand. He expressed his hope to establish a good relationship with Chiang Mai University, and carry out pragmatic cooperation on students exchange, scientific research and humanities ex-

change in order to boost mutual development.

NiwesNantachit introduced Chiang Mai University. As one of the oldest Thai universities, Chiang Mai University is famous for its medicine and engineering, and has rich teaching resources and facilities. He hoped that this visit would

begin a new chapter for establishing friendly and substantive cooperation between the two universities in scientific research, staff/students exchanges, especially in the development of medical disciplines.

The delegation also visited West China Hospital. ㊦

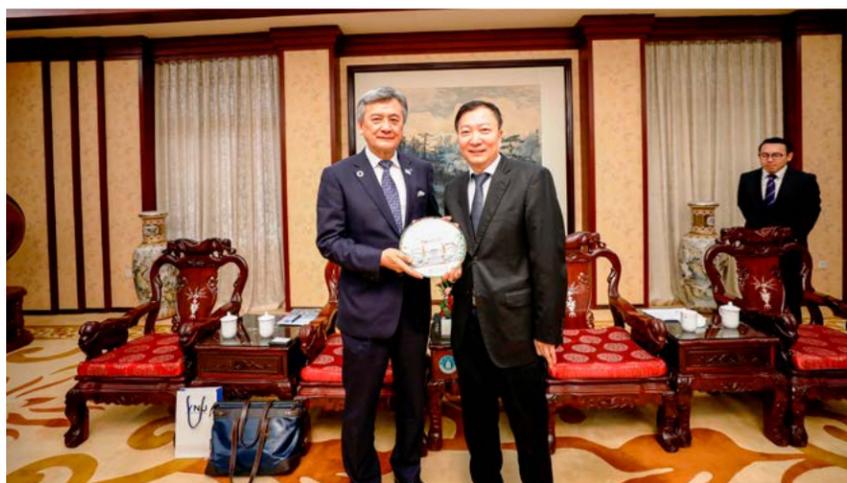
President of Yokohama National University Yuichi Hasebe Led a Delegation to Visit SCU

On May 27th, Yuichi Hasebe, President of Yokohama National University, Japan, led a delegation to visit Sichuan University. President Li Yanrong met with the guests, along with Vice President Yan Shijing and the heads of relevant departments of SCU.

President Li Yanrong welcomed the delegation, and briefly introduced SCU's basic situations. He said that Japanese universities' advanced experiences in personnel training and scientific research are worth learning. Sichuan University always attaches great importance to cooperation with Yokohama National University in personnel training and scientific re-

search. SCU's efforts in recent years, for example, "UIP" and "SCU Global Horizons", are geared to strengthen the exchanges of students, broaden

their international horizon and improve their competence in the global context. Given that both Sichuan and Japan are frequently plagued by



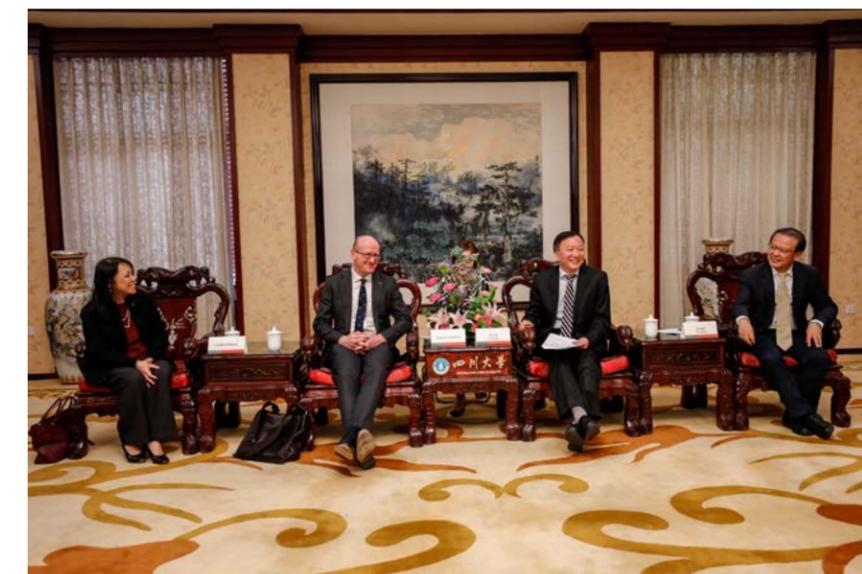
geological disasters, he expressed his desire to deepen cooperation in disaster prevention and mitigation, and in particular to explore the possibility of jointly promoting the construction of large scientific devices for disaster prevention and mitigation.

Yuichi Hasebe thanked SCU for its hospitality. He noted that Sichuan University boasts long history and strong comprehensive strength, and Yokohama National University is also a comprehensive university with a full range of liberal arts and science

disciplines. He expressed his hope to strengthen exchanges and cooperation with SCU in various disciplines, especially in disaster prevention and reduction, so as to make more contributions to scientific development and human progress. ㊦

Mark R. Middleton, Director of the Cancer Center, Oxford University, Visited SCU

On June 12th, Mark R. Middleton, Director of the Cancer Center, Oxford University, Cecille El Beledi, Consul General of the British Consulate in Chongqing, Prof. David James Kerr, Counselor of Oncology at Oxford University and Academician of the Royal College of Physicians, visited SCU and discussed matters on accelerating the joint construction of "Sichuan University--Oxford University Digestive Tract Tumor Center". President Li Yanrong, together with Vice President Yan Shijing and relevant leaders from West China Clinical Medical College/West China Hospital, International Office, and Hospital Management Office of SCU, met with the visiting guests.



President Li noted that, SCU always values the development of medical science in West China, having made great efforts to combine the medicine with engineering, science, and especially

information science, to push its medical science to a new level in the global context. The establishment of "Sichuan University--Oxford University Digestive Tract Tumor Center" is a major event in SCU's international cooperation. It

is believed that through the joint construction of the Center, the cooperation between both institutions in personnel training and scientific research will be further expanded. "We hope that, both sides will work together to build it into

a model and brand of medical cooperation between China and the UK, and to make more innovative achievements in the research and treatment of digestive tract cancers”, he added.

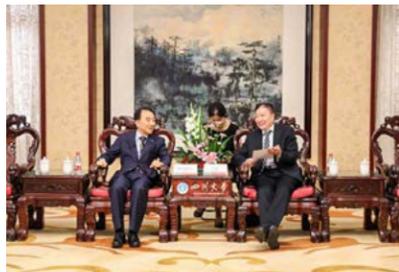
Mark R. Middleton said Oxford Medical School ranks first in biomedical sciences in the world, especially in

cancer research. Meanwhile, it puts a new premium on international cooperation and medical- engineering cooperation. As the first tumor research center established by Oxford University in China, it’s expected to make more breakthroughs in medical research with the concerted efforts of both sides.

Cecille El Beledi said that she will strongly support the cooperation between Sichuan University and Oxford University, since such cooperation will further strengthen the cultural and scientific exchanges between both countries and boost the development of medical services in the two countries and across the world. 🏠

A Delegation of Woosong University Visited SCU

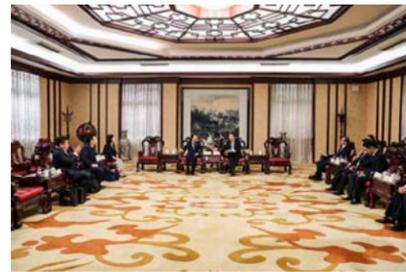
On July 2nd, a delegation led by Kim Sung Kyung, board chairman of Woosong University, visited SCU. President Li Yanrong, together with Vice President Yan Shijing and heads of relevant departments, met with the visiting guests.



President Li stressed in the meeting that Woosong University is an important partner of Sichuan University. Confucius Institute at Woosong University is the first Confucius Institute SCU participated in the construction. Both sides have extensive and in-depth cooperation in terms of teaching, research, students exchange and joint training. I hope both sides will further strengthen exchanges and make progress together, he said.

Mr. Kim Sung Kyung noted the cooperation between Woosong University and Sichuan University began in 2004.

In the past 15 years, SCU developed rapidly and achieved fruitful results in teaching and scientific research on the global context, setting an example for Woosong University. Woosong University lays much stress on the cooperation with SCU. The Confucius Institute at Woosong University has been awarded the title of “Advanced Confucius Institute” by the Office of Chinese Language Council International, contributing a lot to the cultural exchange between China and South Korea. During this visit, the



delegation not only saw the remarkable development and progress of SCU, but also held in-depth exchanges with energetic and intelligent teachers of SCU, he said. “I believe SCU will become a world-class university as soon as possible through concerted efforts of the staff and students”.

The two sides also discussed matters on further strengthening exchange of teachers and students, and scientific research cooperation. 🏠

SCU Delegation Attended the Meeting of Council of Sino-Russia Cooperation and University Alliance Forum in Russia

From May 23rd to 24th, the third meeting of the Council of Sino-Russia Cooperation between the regions along the Yangtze River and the Volga River and the Second Alliance Forum of Universities from these two regions were held in Cheboksary, Russia. President of SCU Li Yanrong led a delegation to attend the meeting.

The Chinese State Councilor Wang Yong, and the plenipotentiary representative of the Federal Republic of Russia for the Volga Federal District, Kamarov, as well as government officials from both countries including the Chinese Ministry of Foreign Affairs, the Ministry of Commerce, the National Development and Reform Commission, the Ministry of Culture and Tourism, and 14 federal districts of Russia, attended the meeting.

From the afternoon of the 23rd to the 24th, the SCU delegation attended the Second Alliance Forum of Universities along the Yangtze River and the Volga River hosted by the Nizhny Novgorod



National Technical University. State Councilor Wang Yong and the plenipotentiary representative Kamarov, together with the main leaders of the Chinese and Russian universities, President Li Yanrong and President Dmitriev, attended the opening ceremony.

State Councilor Wang Yong pointed out in his speech that, the Alliance of Universities along the Yangtze River and the Volga River shoulders an important mission of expanding exchanges and cooperation between the higher education institutions of both countries and providing intellectual support to these two

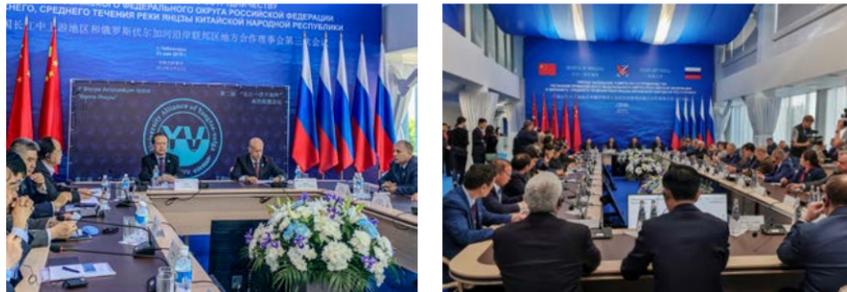
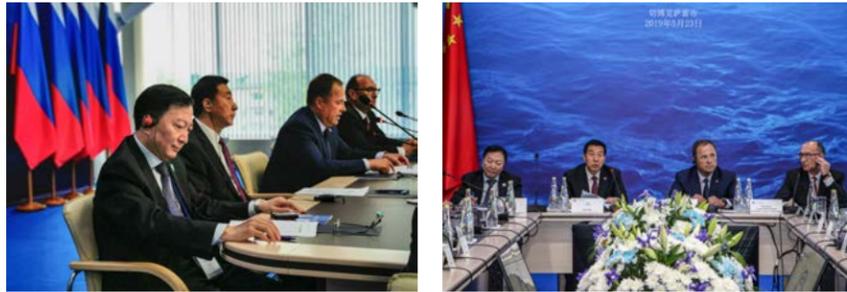
regions. Since its establishment in June 2017, this Alliance has grown rapidly into an 82-member organization, making it an effective platform to promote in-depth exchanges and cooperation in education, science and humanity. Mr. Wang Yong and Mr. Kamarov underlined the need to make good use of the Alliance to promote more exchanges and cooperation between the universities in these two regions.

Themed with “Yangtze River-Volga River University Alliance--laying a solid foundation for Sino-Russian regional cooperation”, this event gathered the

leaders and scholars of many Chinese universities such as Chongqing University, Southwest University, Central South University, Hefei University of Technology, Anhui University, Sichuan International Studies University, Zhongnan University of Economics and Law, Southwestern University of Finance and Economics, Sichuan Normal University, Sichuan Agricultural University, Hunan Normal University, and about 30 counterparts and peers from Russia. Both sides jointly discussed the modes and connotations, problems and prospects of cooperation on higher education and scientific research between both countries, and also shared views on the universities' missions in the "Belt and Road" construction and Sino-Russian regional cooperation.

President Li Yanrong, the Chinese Chairman of the Alliance, stressed that the Alliance Forum of Universities along the Yangtze River and the Volga River has drawn 32 Chinese universities and 50 Russian universities since 2017, conducted fruitful cooperation in the fields of education, technology and culture, and made positive contributions in promoting humanity exchanges between the two countries and expanding cooperation between the Chinese and Russian universities. "In the future, we hope to join hands to build a cradle for the growth of the young talents, and bridge the gap for Sino-Russian cultural exchanges, thus turning itself into a high-end think tank for Sino-Russian regional cooperation and an important platform for sci-tech cooperation and innovation."

At the closing ceremony, SCU Vice-President Yan Shijing, the Chinese



Secretary General of the Forum, made a concluding speech. The Alliance of Universities along the Yangtze River and the Volga River is geared to share resources and promote mutual development, he noted, adding that this platform shall be fully exploited to create an innovative mode of Sino-Russian humanity exchange and cooperation. It's expected that the achievements of the Forum could inject an impetus to further exchanges and cooperation between both sides.

Relevant officers of the International

Office, the College of Foreign Languages and Cultures, and the School of International Studies joined this event.

The Alliance Forum of Universities along the Yangtze River and the Volga River was formally established on June 16, 2017. Upon approval by the Ministry of Foreign Affairs, Sichuan University was appointed as the Chinese initiator and Nizhny Novgorod National Technical University as the Russian initiator. In October 2017, SCU hosted the first president forum and think tank forum of this Alliance. 🙏

SCU Delegation Visited Singapore, Japan and South Korea

In a move to speed up the construction of a world-class university and learn experience from other world-class universities, a SCU delegation led by President Li Yanrong and Vice President Xu Weilin paid a visit to the National University of Singapore, Nanyang Technological University, Chiba University, Waseda University, Tohoku University, Seoul National University and Yonsei University from May 6 to May 14, 2019. This series of visits aimed at expanding the cooperation between SCU and the top universities in Asia, especially in students exchange and recruitment of outstanding young talents. Also, the delegation made a field study about the management of these comprehensive universities and their interdisciplinary integration experience and practice, especially the integration of medical science and engineering. The delegation was warmly welcomed by these universities.

During the visit, President Li briefly introduced Sichuan University and the ideas on "Double-First Class" initiative, and conducted fruitful discussions with these universities on strengthening the disciplinary construction, innovating partnership development, and expanding fields of cooperation to create the world-class disciplines, etc.

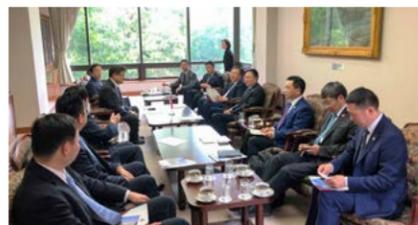
On May 7th, Prof. Subra Suresh, President of Nanyang Technological University, and Prof. Andrew WEE, Vice President of National University Singapore, held friendly meetings with the visiting delegation. Prof. Subra briefed the vision of its future education and the background of the College of Medicine, NTU, and expressed the hope that both institutions could conduct more in-depth and extensive cooperation through mutual efforts. Prof. Andrew introduced the history and development of the NUS and the

successful operation of the Medicine College. The interdisciplinary integrations, especially the integration of medical science and engineering, and the management of large-scale comprehensive universities, were also on the agenda of the meeting. During his visit in Singapore, President Li Yanrong went to see SCU students who studied at NUS, and met with the representatives of Singapore Alumni Association, encouraging them to pay more attention and support the development of SCU. The delegation also





ties and expressed his willingness to further expand the collaboration. The two sides also discussed topics such as multi-disciplinary integration and the integration of medical science and engineering, and exchanged views on promoting cooperation on exchange of faculties, staffs and students, and talent training in the future. Then, the delegation visited the Institute of Electrical Information, Materials Research Institute, Disaster Research Institute and the School of Medicine of Tohoku University. In addition, a workshop for representatives of outstanding young scholars in Tokyo was held.



On May 13th, the delegation visited Seoul National University and was warmly welcomed by President OH Se-Jung. The two sides exchanged views on how to strengthen the joint training of students, faculty exchange, and the collaboration of scientific research. The

participated in the Singapore Youth Talents Seminar organized by the Personnel Office of SCU.

and Vice President Masahiro Yamaguchi. Prof. Toshiya Ueki reviewed the cooperation between the two universi-

On May 9th, the delegation visited Chiba University and had a cordial meeting with President Tokuhisa Takeshi and Vice President Watanabei Makoto. The two sides conducted in-depth discussions on the "Top Global University Project" and cooperation in the medical field. When visiting Waseda University, both sides held a meeting in a sincere and friendly atmosphere. President Aiji Tanaka extended his welcome to the delegation and expressed his wish to strengthen cooperation with Sichuan University in scientific research and student exchange programs, etc. On May 10th, the SCU delegation visited Tohoku University, and conducted a successful exchange with Executive Vice President of Tohoku University, Prof. Toshiya Ueki



delegation also visited the School of Medicine of Seoul National University. Shin Chansoo, Dean of the School of Medicine, gave a brief introduction of the school and the experience in developing its domestic medical research and international medical services. Moreover, the delegation visited "Xi Jinping Study Room" in Seoul University. On May 14th, the delegation visited Yonsei University. Prof. Yong-Hak Kim, President of Yonsei University, highly appreciated the cooperation with SCU, and hoped that the two universities further carry out multi-disciplinary and multi-level cooperation, especially in the field of humanities and social sciences. After the meeting, both presidents signed a Student Exchange Agreement. Meanwhile, a memorandum of cooperation was inked between Huaxi Medical College of SCU and the School of Medicine of Yonsei University. President Li also presented Yonsei University a series of books compiled by SCU.

During the visit in South Korea, the delegation paid a visit to the Chinese Embassy in South Korea. Ambassador Qiu Guohong met with the delegation, and highly affirmed the characteristics and influence of SCU, especially its recent achievements. He expressed his hope that SCU could further strengthen in-depth cooperation and communication with the top universities in South Korea.

entatives from the Office of Scientific Research and Development, the World-class Construction Office, the Office of Social Sciences, the West China School of Medicine, the President Office, and the International Office of SCU joined the visit.

COOPERATION

SCU Signed a MOU with the University of Bristol, UK

On the afternoon of April 10th, the President of the University of Bristol Hugh Brady and Vice President Erik Lithander paid a visit to SCU. President Li Yanrong met with the visiting guests. Vice President Zhang Lin along with the heads of the Academic Affairs Office, Scientific Research Institute, International Exchange and Cooperation

Office, the College of Life Science, and West China School of Medicine /West China Hospital joined the meeting.

Noting that Sichuan University is accelerating the construction of a world-class university in an all-round way, and taking the internationalization strategy as one of its important



steps to enhance its strength and influence, President Li Yanrong said SCU has a good partnership with many well-known universities in the UK, and holds the "UIP" every year. "SCU Global Horizons" is also launched to broaden the international outlook of SCU students studying abroad. He stressed that SCU will further strengthen cooperation with the University of Bristol in faculty/students exchange and scientific research.

Mr. Hugh Brady said that the University of Bristol has much in common with Sichuan University, for example, it has strong scientific research capability, and attaches great importance to the multidisciplinary development and cultivation of students' scientific research ability. With the signing of the MOU, he hoped the two sides will further enhance mutual understanding, strengthen cooperation in faculty/students exchange and joint scientific research, and boost the common development in order to make a bigger contribution in humanities, education and sci-tech exchanges between the two countries.

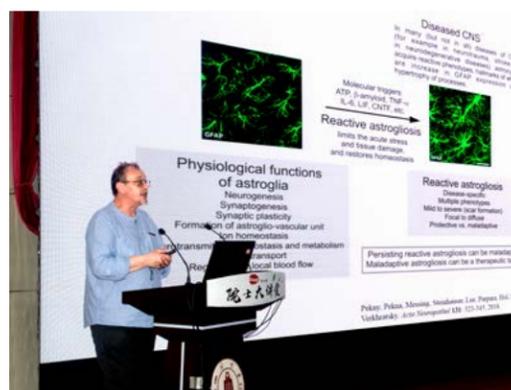
Then, Mr. Li Yanrong and Mr. Hugh Brady signed the MOU on behalf of the two universities. According to the agreement, the two sides will assign teachers and researchers to each other for teaching and scientific research, carry out exchange of students including undergraduates, postgraduates and PhD students, implement scientific research cooperation and establish scientific research platforms in the fields of common interest.

HUAXIBA ACADEMICIAN LECTURE SERIES

Prof. Alexei Verkhratsky, Academician of the European Academy of Sciences, the German Academy of Sciences, and the Royal Academy of Sciences of Spain, Delivered a Lecture in the Huaxiba

On the afternoon of June 26th, the 7th "Huaxiba Academician Lecture Series" was opened grandly. Prof. Alexei Verkhratsky from the School of Life Sciences, University of Manchester, fellow of the European Academy of Sciences, the German Academy of Sciences, and the Royal

Academy of Sciences, delivered an academic lecture titled the "Principles of astroglipathology", attracting about 150 teachers and students from Sichuan University and Chengdu University of Traditional Chinese Medicine, etc.



In the lecture, Pro. Alexei introduced the relationship between nerve cells and glial cells, and also provided an insight into the origin and evolution of glial cell related researches in the neuroscience development. More importantly, he shared his views from brain nerve cells to glial cells and their pathological changes of astrocytes and various brain related diseases, especially Alzheimer's disease. His vivid lecture drew the attention of the teaching staff and students to cellular neurophysiology, pointing a broader path to the research of neurosciences. After sharing his views, Prof. Alexei exchanged ideas with the students about the signal transmission between nerve cells and glial cells, which broadened their academic horizons.

Resume

Alexei Verkhratsky, fellow of the European Academy of Sciences, the German Academy of Sciences, and the Royal Academy of Sciences, and professor of neurophysiology at the School of Life Sciences, University of Manchester, is an internationally recognized leader in the field of cellular neurophysiology. His research area covers the transmission of signals inside and outside the central nervous system, especially neurons and glial cells. He has made important contributions to chemical

and electrical signaling in neuronal-glial communication and the role of intracellular calcium signaling in the integration of nervous system. In research on the mechanism of neurodegenerative cells, his research team detected the changes of intracellular calcium signaling in elderly neurons by in vitro and in situ recording methods, allowing for hypothesis of neuronal aging calcium signaling. In recent years, his research has focused on the pathological changes of glial cells in Alzheimer's disease, and proposed a new mechanism of neurodegenerative glial atrophy. Mr. Verkhratsky has published more than 220 papers in world-renowned academic journals.

Professor Carlo M. Croce, the Academician of the National Academy of Sciences, USA, Gave

On the morning of July 4th, the 8th session of "Huaxiba Academician Lecture Series" was held on Huaxi campus. Prof. CARLO M. CROCE, academician of the Ohio State University, gave the lecture entitled "Cancer and Non-coding RNA". About 150 students and teachers attended the lecture.

Prof. Core, the discoverer of gene Bcl-2, first briefly introduced the relationship between Bcl-2 and cancer. Bcl-2 plays an important role in promoting the proliferation of tumor cells, and protecting tumor cells from apoptosis. Then, Prof. Core gave the detailed regulation mechanism of gene Bcl-2 in

chronic lymphocytic leukemia (CLL). Prof. Core's team discovered that the vast majority of CLL patients are characterized by the deletion of miR-15/16 and a negative correlation between miR-15/16 and Bcl-2 in CLL cell lines. Then Prof. Core showcased more details of their studies: miR-15/16 can bind the 3



putative untranslated regions of mRNA of Bcl-2 to reduce the expression of Bcl-2 protein. The deletion of mir-15/16 can relieve the suppression of bcl-2, enhancing the apoptotic resistance ability of cancer cell. Lastly, Prof. Core shared a new discovery about ABT-199 (Venetoclax, FDA approved), an inhibitor of Bcl-2, which can simulate miR-15/16 to induce apoptosis of CLL cells. The lecture of Prof. Core disclosed one typical mechanism in which ncRNA regulates the potential drivers of the cancer, providing new ideas for the treatment of its associated tumors. After the lecture, students and teachers enthusiastically asked questions. Prof. Croce interacted positively with them, and sharing academic viewpoints in an extremely active atmosphere.

Resume

Professor Croce is a member of American Academy of Arts and Sciences, American Association for Cancer Re-

search, American Society for Microbiology, American Association for the Advancement of Science, American Society of Hematology, the Human Genome Organization (HUGO), the National Academy of Sciences of USA, Institute of Medicine of the National Academies and the National Academy of Inventors. He is an internationally recognized leader in the field of miRNA. Professor Croce has made a series of pioneering research achievements in the pathogenesis of cancer, revealing many mutations in leukemia, lymphoma and other tumors. He found and identified BCL2, ALL1 and TCL1 genes for the first time. He was the first to reveal the important role of miRNA in tumorigenesis, which set off the research upsurge of miRNA. He has published more than 50 papers in the Science, Cell and Nature with H-index over 200, and the research results have been cited over 100,000 times. 🏆

Brilliant Biomaterial Engineering

The development of biomaterials for human healing is improving the lives across the world. A centre at Sichuan University is leading the way in their development.

Devices, implants, and materials for bone and tissue regeneration are transforming medical options for people after disease or injury. The National Engineering Research Center for Biomaterials (NERCB) at Sichuan University is a world leader in this interdisciplinary field.

Biomaterial engineering is a burgeoning interdisciplinary science that combines material sciences, biology, medicine, and engineering. Established in 1999, NERCB was the first institute dedicated to the field, and has quickly grown into a platform with cross-disciplinary team of more than 100 faculty and staff, including globally renowned experts. It specializes in tissue and function regeneration and reconstruction, and medical implants. Its widely patented results are published in high-quality international journals, and recognized by national science and technology awards.



Bone-inducing biomaterials developed by Zhang's team



Pioneering bone materials

Calcium phosphate ceramics are promising biomaterials for bone regeneration, a major specialism of Sichuan University's Xingdong Zhang, a member of the Chinese Academy of Engineering (CAE).

As the academic leader and honorary director of NERCB, Zhang's research focuses on biomaterials and tissue engineering for the musculoskeletal system. Also as a pioneer of using lifeless biomaterials to repair tissues and organs, he initiated research on bioactive ceramics in 1983, and was the first in the world to systematically prove that lifeless porous calcium phosphate ceramics can induce bone formation without the use of living cells or bone growth factors. He proposed the underlying mechanism and in 1991 revealed how to make materials osteo-



Xingdong Zhang (centre) was honoured as a foreign member of the US National Academy of Engineering

inductive.

This work led to Zhang and his team developing the world's first synthetic bone repair product, with the claim of osteoinduction which gained regulatory approval for commercialization. He has founded three companies, whose products, approved by the CFDA, have been used to treat hundreds of thousands of patients in more than 1,000 Chinese hospitals.

Zhang also launched China's first research on plasma coatings for orthopaedic and dental use. In 2009, he

found that collagen-based hydrogel could induce cartilage formation.

Zhang's enormous contributions earned him the membership of the US National Academy of Engineering in 2014. His election as the president of the International Union of Societies for Biomaterials Science and Engineering (IUSBSE) in 2016 is another demonstration of his impact and NERCB's growing international image. The term "tissue-inducing biomaterials", coined by Zhang, was adopted by the IUSBSE Conference on Definitions in Biomaterials in 2018.



Research team led by Yunbing Wang (second from right, front row) work on innovative minimally invasive cardiovascular devices

Biomaterials supporting cardiovascular treatment

NERCB's director, Yunbing Wang, also the vice president of Chinese Society for Biomaterials, is globally renowned for his research on minimally invasive medical devices for cardiovascular diseases and diabetes. With more than 150 patents granted in USA and Europe, he has developed several world-first medical devices.

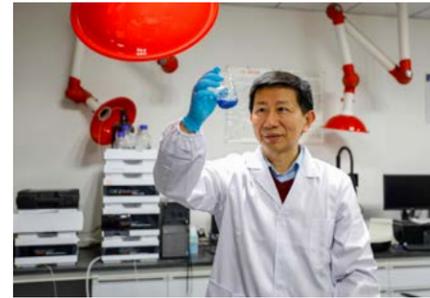
He led his team to collaborate with a Chinese company in developing a transcatheter aortic valve implant for heart disease treatment. Upon approval by CFDA in 2017, the product has been used in more than 100 hospitals in China.

By developing novel crosslinking methods, such as radical-polymerization and enzyme-oxidative-polymerization,

NERCB researchers could regulate physical, chemical, and biological properties of heart valves. In-situ polymerization on the biological valve enables a hydrogel to form pre-mounted artificial heart valves. The pre-mounted dry-tissue transcatheter valve developed by Wang's group overcomes the storage limitation of traditional biological valve materials. This research, funded by the National Key Research and Development Pro-



A transcatheter aortic valve implant & A bio-resorbable cardiovascular stent



gramme, is expected to lead a technological breakthrough for treating heart valve diseases.

Wang's team also leads bio-resorbable stent technologies for vascular restoration therapy. By optimizing material preparation, stent design, coating composition, and surface conditions, they've improved the healing of blood vessels after surgery. They're also developed a 3.0mm stent that can be expanded to more than 4.0mm, eliminating the risk of malapposition, discontinuity, and other adverse effects. Their stent showed great potential in large-scale pre-clinical studies.

NERCB has built an innovative and integrative R&D chain, linking basic research, product development, testing and evaluations, manufacturing and clinical use.



NERCB Developments

2018 Conference on Definitions in Biomaterials

A 2018 Chengdu conference to seek consensus on biomaterial definitions was chaired by Xingdong Zhang, and drew more than 50 top-level biomaterials scientists from 17 countries.

The milestone built on advances and agreements from a conference held 32 years ago in Chester, the United Kingdom. Resolutions from the Chengdu Conference will be published by Elsevier in *Definitions of Biomaterials for the 21st Century*, in 2019.

Research Centre for Materials Genome Engineering

Launched in January 2019, the Centre focuses on design principles, preparation and rapid screening technologies for novel biomaterials. Using big data, high-throughput preparation and characterization, computation technologies, and experimental verification, it aims to develop high-quality, high-tech biomaterials, polymers and metals for application at low cost and high efficiency. The Centre will play a leading role in the global development of biomaterials.

Research Institute of Regulatory Science for Medical Devices

Established jointly with CFDA in 2018, the institute aims to provide a theoretical basis to regulate and improve the evaluation of medical devices for greater safety, effectiveness, and quality. It will also train regulatory professionals about basic science, regulatory pathways, and social sciences, and promote the devel-



Photo: Engineering Research Center in Biomaterials, Sichuan University

opment of medical devices in China.

The Sichuan Testing Center for Biomaterials and Medical Devices, for instance, was established by NERCB in 2003 for medical instrument testing and evaluation. With national accreditation, it is an independent legal entity with approval for testing, and for providing evaluation reports in Chinese and English.

NERCB has also set up a company called Sichuan University Engineering Research Center in Biomaterials, which has six pilot production lines for bone-induced calcium phosphate bioceramics, biomedical collagen, hydroxyapatite bioceramics, dental implants, artificial hip joints, and hydroxyapatite powder.

Growing Reputation

As a founding member of IUSBSE, NERCB has organized many international conferences to promote communication and collaboration in biomaterials, including the 9th World Biomaterials Congress, which drew nearly 4,000 participants from 47 countries and regions to Chengdu, China. It also established the Chinese Society of Biomaterials (CSBM) and launched its official journal, *Regenerative Biomaterials (RB)*, in 2014, which is included in the Science Citation Index (SCI) database. NERCB's extensive collaboration with universities and research institutes worldwide enhances its global reputation. 🏆

News link: <https://www.nature.com/articles/d42473-019-00073-z>

SCU Ranked 53rd among Global Universities in the Latest Nature Index

On June 20th, the Nature Index website published the annual ranking of the 2019 Nature Index (spanning from 2018.1.1 to 2018.12.31). SCU ranked 53rd among global universities, a significant progress over the 81st last year.

The Nature Index has become an important indicator for evaluating the outputs of high-level academic achievements of research institutions. It calculates statistically the quantity of research papers published by scientific research institutions in the previous year, including 82 series (68 selected in 2014 and 82 in June 2018), such as Nature series, Science, and Cell in natural science journals. 82 sources of journals are divided into four categories: Chemistry, Earth and Environmental Sciences, Life Sciences and Physics. SCU has predominant strength in Chemistry and ranks 14th among the world-wide universities.

Ranking among global universities	Ranking among Chinese universities	Name of universities	Quantity of articles (AC)	Score of articles (FC)
6	1	Peking University	1412	407.82
9	2	Tsinghua University	1287	390.74
10	3	Nanjing University	928	383.75
12	4	University of Science and Technology of China	975	341.95
19	5	University of Chinese Academy of Sciences	1801	317.42
22	6	Zhejiang University	687	285.21
30	7	Fudan University	635	247.68
36	8	Shanghai Jiao-tong University	668	221.38
46	9	Nankai University	528	196.63
48	10	Suzhou University	347	188.58
50	11	Sun Yat-Sen University	452	186.67
51	12	Wuhan University	359	183.73
53	13	Sichuan University	310	178.96

Source: <https://www.natureindex.com/institution-outputs/generate/All/global/academic/score>

West China School of Stomatology is known as the cradle of modern dentistry in China, which was originated from the School of Dentistry, West China Union University. This school is the first education base where elite dental professionals in the fields of clinical care and intensive research have been well trained. State Key Laboratory of Oral Diseases is a national laboratory in specialty of dental science which becomes the most important base to develop the discipline of stomatology into the top line in the world. The discipline of stomatology has won A+ in China Discipline Assessment Ranking, ranking first in China Science and Technology Evaluation Metrics from the year 2014.

Institution	AC	FC
1. West China School of Medicine/West China Hospital of Sichuan University (WCSM/WCH), SCU	67	20.47
2. Renji Hospital, SJTU	77	15.11
3. Sun Yat-sen University Cancer Center (SYSUCC), SYSU	35	12.04
4. Sun Yat-sen Memorial Hospital, SYSU	20	7.93
5. Southwest Hospital	24	6.53
6. Jiangsu Provincial People's Hospital (The First Affiliated Hospital of Nanjing Medical University)	25	6.25
7. Ruijin Hospital, SJTU	24	5.43
8. Xiangya Hospital, CSU	31	5.13
9. West China School/Hospital of Stomatology, SCU	16	5.09
10. Zhongshan Hospital, Fudan University	40	4.76
11. Peking University Third Hospital (PUTH)	16	4.59
12. Zhongnan Hospital, WHU	15	4.48
13. Shanghai Sixth People's Hospital, SJTU	29	4.45
14. First Affiliated Hospital, ZJU	35	4.41
15. Shanghai Ninth People's Hospital, SJTU	17	4.39

Academician Zhang Xingdong Conferred "Honorary Doctorate" of University Polytechnica of Bucharest

West China School/Hospital of Stomatology SCU Topped the Nature Index in Dentistry

Nature Index published the 2019 tables recently which are based on Nature Index data from 1

January 2018 to 31 December 2018. Output for West School/Hospital of Stomatology SCU counts 9 in Healthcare

Sector and ranks the first in dentistry in China.

Recently, University Polytechnica of Bucharest held a grand ceremony for conferring "Honorary Doctorate" professor Zhang Xingdong from SCU, academician of CAE. Anton Hadax, the Vice President of University Polytechnica of Bucharest, hosted this ceremony. More than 200 professors and representatives of teachers and students attended this ceremony, including Mihnea Costoiu,

President of University Polytechnica of Bucharest, Lulian Riposan, Honorary President of University Polytechnica of Bucharest and Lulian Antoniac, Vice President of the Faculty Materials Science and Engineering.

The ceremony commenced with the song of University Polytechnica of Bucharest. Later, Lulian Riposan, Honorary President of University Polytech-

nica of Bucharest, introduced the life stories and achievements of Academician Zhang Xingdong. Then, President Mihnea Costoiu and Vice President Mihnea Costoiu conferred certificate of Honorary Doctor and degree gown respectively. Academician Zhang Xingdong delivered a short speech that expressed his appreciation to University Polytechnica of Bucharest, reviewed extraordinary cooperation between

Sichuan University and University Polytechnica of Bucharest in the area of biomaterials since early this century, expressing his best wishes for the long-time friendship between Chinese and Romanian people and the further cooperation in biomaterials. Meanwhile, he also expressed that he would endeavor to make new and greater contributions by keeping the friendship between Chinese and Romanian people from generation to generation.

Established in 1818, University Polytechnica of Bucharest is one of the best universities in Romania and also a reputed comprehensive university in Europe. It has 22 disciplines, including philosophy, literature, law, history, economics, linguistics, psychology, ed-

ucational science, political sociology, biochemistry, physics, mathematics. It boasts an enrollment of more than 30,000, including over 5,000 international students.

The day before the ceremony, Echerina Andronescu, Romanian Minister of Education, met with Academician Zhang and his colleagues in the research group and congratulated Academician Zhang for the "Honorary Doctorate". She expressed that Romanian people attach great importance to the cooperation with China, and hoped to promote a further comprehensive cooperation on science, education and achievement transformation between universities from both sides. 🏆



new asymmetric reactions. She won the Program for New Century Excellent Talent in University of Ministry of Education in 2011 and the National Science Fund for Outstanding Young Scholars in 2012. In 2013, she got the subsidy of the Fok Ying-Tong Education Foundation for Young Teachers in the Higher Education Institutions of China. In 2015, she enjoyed the National Program for Support of Top-notch Young Professionals and the special government allowances issued by the State Council. In 2016, she got the National Science Foundation Project for Distinguished Young Scholars. She was rated the young and middle-aged experts with outstanding contributions in 2017 and was selected as the academic and technical leader of Sichuan Province in 2018. As the second achiever, she won the Second Prize of State Natural Science Award in 2012 and the First prize of Natural Science of

Ministry of Education in 2009. She obtained the first prize of the "Tang Lixin Young Technology Star Award", Sichuan University, in 2014, and the Young Technology Talent of Sichuan University in 2016. She also obtained the Thieme Chemistry Journals Award in 2013 and the Asian Core Program / Advanced Research Network Lectureship Award in 2016. In 2018, she won the 6th Youth

Chemistry Award of Chinese Chemical Society-Royal Society of Chemistry.

The "Award for Chinese Young Women Scientists" has been launched for 15 times, and a total of 134 outstanding female scientists have won the awards, making it an important platform for discovering and recommending high-level female technology talents in China. 🏆



Prof. Liu Xiaohua, College of Chemistry, SCU, Won the "Award for Chinese Young Women Scientists"

On April 29th 2019, the awarding ceremony of the 15th "Award for Chinese Young Women Scientists" was held in Beijing by the All-China Women's Federation, China Association for Science and Technology, China National Committee of UNESCO and L'Oreal China. 10 outstanding women scientists in research fields such

as medicine, biology, geoscience and aerospace, won this award. Prof. Liu Xiaohua, College of Chemistry, SCU, is the only finalist on the list from Sichuan Province.

Liu Xiaohua, Ph.D. supervisor from College of Chemistry, dedicates to design and synthesize novel chiral catalysts,

also develop efficient and highly stereoselective catalytic asymmetric reactions and apply them to synthesize chiral biologically active compounds. She developed a new family of novel chiral guanidine-amide bifunctional catalysts and ligands, and realized several important asymmetric reactions with the catalysts under mild conditions, involving some

SCU Alumna Li Tan Listed into Forbes "Women in Tech"

On May 31st, Forbes issued the "Women in Tech" for the first time 50 Chinese women representatives including SCU alumna Li Tan.

Li Tan, graduated from the Chemistry Department of the School of Chemical Engineering, SCU, in 1987, is director and deputy general manager of Shenzhen Hepalink Pharmaceutical

Co.,Ltd, founded in 1998 by Li Tan and her husband Li Li, also a SCU alumni. Focusing on the R&D of heparin sodium products, this company created the world's leading heparin sodium "impurities and combinatorial separation technology", "group integrity protection and active release technology" and other



core process technology systems. With the approval of the US FDA and EU CEP drug administrations, it shaped a complete quality management system compliant with China's drug GMP regulations and the US and EU cGMP drug specifications and concepts.

After evaluating meticulously multi-

national technology companies, local technology giants, investment institutions, and research agencies, Forbes China released this list for women who actively participate in technology-centered businesses or sectors, and have a background in science, technology, engineering or mathematics. The "Women in Tech" aims to demonstrate women's

extraordinary sci-tech achievements, and their technological innovations, sustainability and impact on economic growth. As the first-ever list of its kind released in mainland China, the "Women in Tech" includes 50 outstanding women, such as company founders, executives, first-line R&D engineers or pioneers in technological innovation. 🏆

SCU Alumna He Fang Listed into Forbes China's Most Outstanding Businesswomen

On January 22nd, 2019, Forbes China issued the "Ranking of China's Most Outstanding Businesswomen" for the fifth time. SCU alumna He Fang, graduated from the Department of Mechanics in 1981, now the general manager of Sunny Seal (a Chinese A-share listed company), ranked fourth in the list.

Forbes China quantitatively selected top 100 outstanding businesswomen based on the business scale, quality, staff number, and external influence of the companies under their management.

Ms. He is a well-known expert in the mechanical seal industry, a top talent and a model worker in the machinery industry of Sichuan and even China. In 2014, Ms. He was awarded the

second prize of Sichuan Science and Technology Progress as the responsible person of the "High Pressure and Large Diameter Dry Gas Seal for the Most Critical Compressors". She has also won numerous government and industry science and technology progress awards and national invention patents, and has published many articles on professional sealing technology. She is well-known in the petrochemical and sealing industry for her deep sealing theory and rich product promotion experience.

"To make contributions to the industry, and to create benefits for the company are our missions!" Ms. He Fang's



team has become the frontrunner of China's fluid sealing industry, and their products are highly recognized throughout China and even across the world. With the goal of "building an internationally renowned fluid seal supplier", they strive for making innovations and contributing to the development of the machinery manufacturing in China. 🏆

CONFERENCE

Engineering Science and Technology Forum for Sustainable Development of Polymer Materials Held in SCU

On May 6th, the 289th China Engineering Science and Technology Forum, also the Engineering Science and Technology Forum for Sustainable Development of Polymer Materials, was held in Chengdu. 22 academicians gathered to discuss the sustainable development of polymer materials. Vice Governor Yang Xingping and other leaders of Sichuan Province and Chengdu, SCU President Li Yanrong and other university leaders, as well as experts and scholars from universities, research institutes, and polymer industry associations across the nation attended the forum. The opening ceremony was presided over by the chairman of the conference, Academician Wang Yuzhong.

Some topics relating to the sources of raw materials for polymer materials, the green synthesis and processing of polymer materials, the environmentally-friendly additives for polymer materials, the effective recycling of waste polymer materials, and the complete degradation of polymer materials were top on the agenda, injecting a vitality to promote the sustainable development of polymer materials and related industries. During the forum, Aca-



demicians Tan Tianwei, Ouyang Pingkai, Wang Yuzhong, Zhang Lina, Tang Yong, Qu Jinping, and Chen Xuegeng respectively gave academic reports.

Sichuan University is the first higher education institution of China opening the course of the polymer material processing. The polymer science has always been a prominent discipline of SCU. In particular, the total number of SCI papers published in the polymer field in the past decade ranked first among the peers in the world. Many experts and scholars, including Academician Wang Yuzhong

and Academician Wang Qi of SCU have been devoted to the researches in view of the problems relating to the recyclability and biodegradation of polymer materials. At present, SCU is pushing forward multi-disciplinary integration, and constantly strengthening the fusion of polymer materials and chemistry, life science, pharmacophysics, information, environment, especially medicine and information disciplines. Such efforts have not only boosted the development of the disciplines, but also expanded the application range of polymer materials for the sustainable development of green industries. 🏆

The International Workshop of Water Disaster Mitigation and Water Environment Regulation, Sponsored by the State Key Laboratory of Hydraulics and Mountain River Engineering of Sichuan University, Was Successfully Held

Recently, the International Workshop of Water Disaster Mitigation and Water Environment Regulation, which was sponsored by the state key laboratory of hydraulics and mountain river engineering of Sichuan University (SKHL), was successfully held at Wangjiang Hotel in Chengdu. The workshop was financially supported by the Programme of Introducing Talents of Discipline to Universities (BC2018038) and National Science Fund for Distinguished Young Scholars (51625901).



During the conference, 48 domestic and foreign experts and scholars from the United States, Britain, Canada, Australia and other countries and regions gathered together and delivered important reports on the main topics of water environment disasters and water environment regulation. Prof. Pengzhi Lin, the deputy

director of the state key laboratory of hydraulics and mountain river engineering, presided over the opening ceremony and delivered a speech. He extended a warm welcome to all the experts and introduced the general scientific research of Sichuan University and the laboratory.

Prof. Philip L. -F. Liu, fellow of US National Academy of Engineering and Vice President of National University of Singapore, Prof. Christine Shoemaker, fellow of US National Academy of Engineering, Prof. Joseph Lee, member of the Royal College of Engineering and the Vice President of Hong Kong University of Science

and Technology, and Prof. Gretchen Kalongi, Dean of Disaster Management and Reconstruction Department of Sichuan University, as well as Prof. Cheng Xiaotao, Director of the Urban Water Management Committee of China Water Resources and Hydropower Research Institute and the vice chairman of the IAHR Flood Risk Management Committee all introduced and discussed issues related to the main topics of the conference respectively. Their topics includes the 7.5-magnitude earthquake of the Indonesian Island of Sulawesi that happened on September 28th, 2018, application of automatic parameter calibration with proxy optimization algorithm for highly nonlinear black box functions in hydrodynamic and water quality model simulation, comprehensive strengthening of the network building for higher education in water and disasters, and the problems and challenges facing china today during its urbanization process.



Then, Prof. Rao Y. Surampalli said in his report that certain novel pollutants can affect the endocrine system at very low concentrations. Therefore, he called people's attention to endocrine active substances in the environment. Rao is a fellow of the European academy of arts and sciences and a foreign fellow of the Russian academy of sciences, chairman and CEO of the institute for global energy, environment and sustainable development.

Prof. James Ball, Vice President of the IAHR, introduced Australia's flood assessment guidelines—ARR

(rainfall and runoff in Australia), pointing out that the new version of the guide is imperative to the increasing understanding of the rainfall-runoff process. Prof. Defu Liu, President of Hubei University of Technology, executive director of China Water Conservancy Society, vice chairman of Hubei Water Conservancy Society and Hydropower Engineering Society, introduced new theories and methods in his report. He suggested that some methods should be used to accurately predict algal blooms, a new direction for the multi-objective optimal operation of cascade reservoirs in the upper reaches of the Yangtze River.

Finally, Jianmin Zhang, Director of the Institute of Hydraulics, SKHL, presided over the closing ceremony and delivered a speech. The International Workshop of Water Disaster Mitigation and Water Environment Regulation concluded with a perfect ending. 🙏

SCU Held the 5th Global Young Scholars Forum to Draw Top-Notch Talent

On May 21st, the 5th Global Young Scholars Forum was held in Sichuan University. Excellent young talents from top

universities such as Harvard University, Yale University, University of Oxford, University of Cambridge, and National University of Singa-

pore attended this forum. Relevant government leaders of Sichuan Province and Chengdu, SCU president Li Yanrong, academician of the Chi-

nese Academy of Engineering Shi Bi, and SCU vice president Liang Bin, together with the heads of relevant departments, joined this 3-day event, which attracted nearly 700 outstanding young scholars from around the world. 148 young talents were selected to take part in the forum. The forum consisted of university forum, "thousand young talent" cultivation forum, discipline parallel forum and on-campus tour, etc., which could gain offer young talents access to policies and the development of Sichuan University, and make them actively engage in the construction of SCU.



At the opening ceremony, President Li Yanrong shared his views with the young scholars. He noted that, in a bid to offer the "best medical science, first-class liberal arts, science and new engineering", SCU is very eager to embrace all kinds of talents. He also gave a detailed description of reasons to choose SCU.



Academician Shi Bi introduced SCU's unique advantages in scientific research, and put forward suggestions on reorientation, academic pooling and pursuit of "academic title".

"Talents Project" in tune with its strategy of "Strengthening the University with Talent", with its aim of promoting the construction of a world-class university by retaining top-notch talent in various ways.

In this forum, SCU also held the award ceremony for the scholars of "Double Hundred Talents Project" listed into the national talent project.

During the exchanges, Zhang Yang, a scholar with the College of Life Sciences and also a candidate of the "Thousand Talents Program", and Wang Hang from the State Key Laboratory of Hydraulics and Mountain River Development and Protection, shared their work and life in SCU, and introduced SCU's strong support to young talents in their startup. As a representative of the participat-

ing scholars, Sheng Jianpeng, a researcher at Nanyang Technological University, expressed his confidence in joining SCU to realize the value of life and serve the motherland.

"Global Young Scholars Forum of Sichuan University" is an important platform to promote the "Global Talents Pooling Project" and "Double Talents Project". Since its inception in 2017, the forum has invited more than 500 outstanding young scholars from more than 30 countries and regions to contribute their wisdom to the "double world-class" construction. ♪

Professor Gretchen Kalonji Attended the Fourth UN Special Thematic Session on Water and Disasters

On June 24th, the Fourth UN Special Session on Water and Disasters was held at ECOSOC Chamber, the UN Headquarters at New York. Invited by Dr. Han Seung-soo, the Former Prime Minister of the Republic of Korea, and current chair and founder of the High-level Experts and Leaders Panel on Water and Disasters (HELP), Prof. Gretchen Kalonji, Dean of Institute for Disaster Management and Reconstruction (IDMR), attended the conference and gave a presentation entitled "Building Collaborations for Research Vision for the Alliance of Alliances".

Hungary, delivered a video message at the session. Ms. Cora van Nieuwenhuizen, Minister of Infrastructure and Water Management, the Netherlands, Mr. Basuki Hadimuljono, Minister of Public Works and Reconstruction (IDMR), attended the conference and gave a presentation entitled "Building Collaborations for Research Vision for the Alliance of Alliances".



Dr. Han Seung-soo firstly opened the session at 10am on June 24th. Following the opening remarks made by Ms. María Fernanda Espinosa Garcés, President of the 73rd Session of the United Nations General Assembly and Ms. Maria Francesca Spatolisano, Assistant Secretary-General for Policy Co-ordination and Inter-Agency Affairs at the United Nations, Mr. Carlos Agostinho do Rosário, Prime Minister of Republic of Mozambique and Dr. Danilo Türk, former President of Republic of Slovenia/ Chair of the Global High-Level Panel on Water and Peace gave keynote speeches.

participants called for linking water-related disasters with climate change issues, increasing investment in finance and professionals, and the international community should work together to promote sustainable human development.



Mr. János Áder, President of Republic of

to Address Water and Disasters, schol-

ars and experts from relevant institutes and universities shared their experience and discussed about the technology and education, water and disasters, and climate change issues. Prof. Gretchen Kalonji talked about the Alliance of Alliances for Research and Education on Water and Disasters(AOA), a leading effort of IDMR, and emphasized AOA's

innovations in multinational higher education collaboration and the role of connections to the High Level Panel of Experts and Leaders in Water and Disasters (HELP), in which AOA serve in an advisory capacity. AOA will play a communication, catalytic, analytical and supportive role, enhancing access

to information concerning the research, educational materials, and best practices in the domain of water and disasters, enabling more effective communications between researchers, students, and policy makers; promoting the creation of new models of multinational research and education collaborations on chal-

lenges related to "water and disasters"; integrating joint research projects into higher education curricula; assisting in providing critical policy advice on water and disasters through HELP; supporting the work of existing alliances and of individual institutions, with the goal of strengthening our collective efforts. 🏠

presided over by Prof. Jiang Xiaoping, Distinguished Professor of the Changjiang Scholar Program under the Ministry of Education, and Party Secretary of the School of Public Administration, SCU, well-known experts and scholars at home held wonderful keynote speeches on this occasion.

The Seminar included six parallel sessions: green development and green governance, local governance innovation, social governance innovation, urban development and public policy, grassroots democracy and community governance, and the young scholars forum, as well as journal editors and scholars exchange meetings, public administration discipline construction & deans' forum. All of these efforts aim to strengthen international exchanges and



cooperation in the fields of green development and social governance, meet the challenges encountered therein, and improve the relevant researches to promote the green development on the national and global level, and boost the

modernization of the national governance system and capacity, thus providing valuable reference for theoretical and practical innovations in building a beautiful country and a community of shared future for mankind. 🏠

International Seminar on Green Development and Social Governance Held in SCU

From July 6th to 7th, the International Seminar on Green Development and Social Governance hosted by Sichuan University and the Institute of Political Science, Chinese Academy of Social Sciences, was held in Chengdu. More than 160 experts and scholars from well-known universities and research institutions home and abroad including University of Oxford, Syracuse University, Nottingham Trent University, University of Texas at San Antonio, City University of Hong Kong, Hong Kong University, the Chinese Academy of Sciences, Chinese Academy of Social Sciences, Zhejiang University, Fudan University, Renmin University of China, Sichuan University, as well as leaders and editors of well-known domestic journals and magazines attended the forum.



Prof. Yan Shijing, Vice President of SCU, Mr. Fang Ning, Party Secretary of the Institute of Political Science, the Chinese Academy of Social Sciences, Prof. Zhang Mingjun, Vice President of East China University of Political Science and Law, and Associate Professor Thomas Nathan

Hale of Brawani Government College, the University of Oxford, attended the opening ceremony and addressed the audience respectively. The opening ceremony was hosted by Prof. Shi Yungui, Dean of the School of Public Administration, SCU. While this event was

The 2019 Chinese Classical Show for International Students Staged in SCU

Themed with reading ancient and modern classics, promoting the Chinese civilization, telling the Chinese stories and exhibiting the charm of Sichuan, the 2019 Chinese Classic Show for the International Students was held at SCU on May 28th.

International students from over ten

colleges and universities in Sichuan put on dozens of exciting programs.

SCU Vice President Yan Shijing addressed this event, noting that the Chinese culture has a long history of splendid glory, and the Chinese classics are the spiritual treasure of the Chinese nation and the mankind. With the imple-

mentation of the BRI, more and more international students study in China. By the end of 2018, 3,851 international students from 103 countries had been enrolled in SCU. Many international graduates of SCU have made their own efforts in the integration of the Chinese civilization and world civilization as cultural messengers for the exchanges

between China and the rest of the world, he stressed, expressing his hope that this event could provide an access to the international students in gaining more knowledge of the Chinese culture.

In recent years, students from more than 100 countries come to study in Sichuan, making it an important destination for studying in western China. As international students acting as a bridge for promoting cultural exchanges between China and foreign countries, this event will set up a new platform for promoting Sichuan culture worldwide, and injecting a new vitality and impetus into the education of international students.

The joyful song mix "We are together" kicked off the competition, which attracted international students from Ghana, Thailand, Malaysia and other countries to express their love for China and Sichuan via their own rhythmic national songs and dances.

Zhu Ziqing's essay "Hurry", recited by students from Pakistan, Nigeria, and Nepal, expressed their cherished enthusiasm for studying in China.

An ode "Maritime Silk Road", chanted by three Malaysian students, signaled the support of the ASEAN countries' students to the Belt and Road Initiative.

"I love China and the Chinese culture. The ancient Chinese poems always give me strong strength, and guides me to meet challenges bravely," said an Iranian student from SCU who used a sensational "Short Song Ballad" to express his love for Chinese traditional culture.

These students also performed classic



works reflecting the modern Chinese people's unremitting struggle for the rise and revival of the nation.

The event was successfully concluded in the musical poem "I Love You, China" performed by a few SCU teachers. 曲

University of Washington Wind Ensemble



Midsummer Concert Sichuan University- TU Clausthal



2019 UIP International Students' Art and Culture Festival



||| ECHO |||

“ In the process of building a world-class university, SCU hopes to broaden the horizons of its students, improve their international competitiveness and global competence through a wider range of international education. ”



Li Yanrong

President of Sichuan University



四川大學
SICHUAN UNIVERSITY