2016 GU XIAOCHENG LECTURE

顾孝诚讲座

The 2016 GU XIAOCHENG LECTURE is awarded to Dr. Bin Zhou of the Institute for Nutritional Sciences, Chinese Academy of Sciences.

The Gu Xiaocheng lecture award was established by the Gu Xiaocheng Memorial Fund in 2012. The lectureship recognizes young investigators showing promises to become future leaders in life science research, especially those who work in China.

Dr. Bin Zhou received his Bachelor of Medicine degree from Zhejiang University, School of Medicine, in 2002, and his Ph.D. in Medicine from Peking Union Medical College in 2006. Mentored by Professor Zhong Chao Han, his graduate work was on recruited bone marrow-derived circulating cells and their interactions with mesenchymal stem/stromal cells and the role of stromal derived factor 1 (SDF-1). He later received postdoctoral training from Dr. William Pu at Boston Children's Hospital of Harvard Medical School from 2006 to 2010. During his postdoc research work, he identified epicardial progenitor cells and elucidated their functions in cardiac development and diseases. Under the CAS Hundred Talents Program, he joined the Institute for Nutritional Sciences, Chinese Academy of Sciences, as a member and became the group leader of Heart Development and Regeneration in 2010.

Dr. Zhou launched a successful independent career by choosing a productive starting point, cardiovascular development and regeneration. His lab mainly used genetic lineage tracing to understand the basic biological question of cell origin and fate in mammals. They showed that a substantial number of coronary vessels form after birth rather than expansion from pre-existing vessels that form at fetal stages, and made many other discoveries as well.

Dr. Zhou is also an excellent mentor to his trainees. Many of his PhD students received recognition as recipients of prestigious awards such as "Lu Jia Xi Award" from Chinese Academy of Sciences. He himself also received numerous awards, including "Zhu Li Yue Hua Teacher Award" from Chinese Academy of Sciences (CAS), "2015 Young Scientist Prize" awarded to 10 researchers in CAS, "2015 Tan Jia Zhen Life Science Innovation Award", "2015 CSSCR Stem Cell Award", "Wu Si Youth Award in Shanghai Science". His discovery of the new origin of coronary arteries was praised by the highly publicized "Top 10 Science in China 2014". He is an exceptionally talented and highly motivated scientist, and also a wonderful colleague to work with.