

2014 GU XIAOCHENG LECTURE

顾孝诚讲座

The 2014 Gu Xiaocheng lecture is awarded to Dr. Guangshuo Ou of Tsinghua University.



Dr. **Guangshuo Ou** received his Ph.D. in Cell and Developmental Biology from the University of California, Davis, in 2006. His Ph.D. research was in Dr. Jon Scholey's lab (2001-2006). Supported by the Damon Runyon Cancer Research Foundation, Dr. Ou did his postdoctoral research with Dr. Ron Vale at the HHMI/University of California, San Francisco (UCSF, 2007~2011). His graduate and postdoctoral work in *C. elegans* on motor proteins, ciliogenesis, cell migration and asymmetric cell divisions made major impacts on the field.

Dr. Ou was recruited to Institute of Biophysics, Chinese Academy of Sciences, in 2011 through the program of "Young Thousand Talent Plan" initiated by the Chinese national government and later joined Tsinghua University in 2013. His publication record is impressive with a total of 32 publications in academic journals, especially those with high impact factors. His major contributions include the discovery of the biphasic intraflagellar transport and elucidation of underlying molecular mechanism; revealing novel function of polarized myosin in unequal-size daughters of asymmetric division; demonstration of the final fate of midbody after cell division and the improvement of fluorescence live cell imaging technique with single cell resolution for visualization of *C. elegans* postembryonic neuroblast development. In addition, Dr. Ou has successfully adopted TALEN and CRISPR/Cas9-based techniques to generate conditional knockouts in somatic cells recently.

Dr. Ou is recognized as an intellectually talented young scientist, who knows how to raise important scientific questions and pursue the right answers. He is also an independent thinker and excellent decision maker. It is obvious that his lab is one of the most productive labs led by a young scientist returned from abroad, judging by any criteria.

The Gu Xiaocheng lectureship award committee recognizes Dr Ou's academic achievements and hope this award will inspire more young scientists to perform excellent research work.