

2010-2011 (Round 2)

China

Researcher	Title of research project	Host researcher
Dr Zhigang Chen University of Queensland	Development of nanostructured sensors for detection of chemical species.	Professor Hui-Ming Cheng Institute of Metal Research Chinese Academy of Sciences
Dr Yuqing Feng CSIRO	Multi-Scale modelling of bubble driven multiphase flow of complex systems.	Professor Jinghai Li Institute of Process Engineering Chinese Academy of Sciences Professor Zhaowen Wang Northwestern University
Professor Robin Gasser University of Melbourne	Unlocking the secrets of pathogen biology using next-generation technologies.	Professor Huimin Yan Wuhan Institute of Virology Chinese Academy of Sciences Professor Xingquan Zhu South China Veterinary Medicine
Dr Youguang Guo University of Technology Sydney	Study on advanced electrical drive for modern transportation vehicles.	Professor Yaohua Li Institute of Electrical Engineering Chinese Academy of Sciences Professor Xuefan Wang Huazhong University of Science and Technology
Dr Alice Hayward University of Queensland	Diversity genomics and epigenetics in brassicas and Chinese medicinal plants.	Professor Ying Wang Functional Genomics Laboratory Chinese Academy of Sciences Professor Jinling Meng Huazhong Agricultural University
Dr Zhen Li University of Queensland	Preparation and bioapplication of multifunctional magnetic nanoparticles.	Professor Hao Lei Wuhan Institute of Physics and Mathematics Chinese Academy of Sciences Professor Bien Tan Huazhong University of Science and Technology

Researcher	Title of research project	Host researcher
Dr Steven Polyak University of Adelaide	New agents for important infectious diseases.	Professor Lixin Zhang Institute of Microbiology Chinese Academy of Sciences Dr Xiaoguang Lei National Institute of Biological Sciences
Dr Di Yu Garvan Institute of Medical Research	MicroRNA-mediated immune regulation in autoimmune diseases.	Professor Dr Nan Shen Institute of Health Sciences Chinese Academy of Sciences Professor Zhanguo Li Peking University
Dr Ji Zhang University of Southern Queensland	Privacy-preserving anomaly detection from distributed data streams.	Professor Liusheng Huang University of Science and Technology of China Chinese Academy of Sciences Professor Yezheng Liu Hefei University of Technology Professor Yonglong Luo Anhui Normal University

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Researcher	Project	Host Institution
Associate Professor Corey Bradshaw University of Adelaide	Determining the relationship between environmental degradation and human health at the national scale.	Professor Lingli Tang Academy of Opto-Electronics Chinese Academy of Sciences Associate Professor Guo-jing Yang Jiangsu Institute of Parasitic Diseases Professor Xiao-nong Zhou National Institute of Parasitic Diseases
Dr Jituo Guo Monash University	Somatic cell reprogramming by cytoplasts of iPS cells.	Professor Yue Ma Institute of Biophysics Chinese Academy of Sciences
Dr Bo Li University of Sydney	Dicimetric type III solar radio bursts: Observations and numerical simulations.	Professor Yihua Yan Beijing Astronomical Observatory Chinese Academy of Sciences
Dr Hongyuan Liu University of Queensland	Three-dimensional hybrid continuous-discrete multi-physical modelling of heterogeneous rock fracture.	Dr Li Chen Institute of Mechanics Chinese Academy of Sciences Professor Chun'an Tang Dalian University of Technology Professor Wancheng Zhu Northeastern University
Dr Joe Miller CSIRO Plant Industry	Plant biogeographic patterns of large plants shared between China and Australia.	Dr Zhiduan Chen Institute of Botany Chinese Academy of Sciences Professor Dian-Xiang Zhang South China Botanical Garden Chinese Academy of Sciences
Professor John Morrison University of Wollongong	Improving the link between scientific research and policy/planning activities for coastal zone management.	Professor Shi Ping Yantai Institute of Coastal Zone Research for Sustainable Development Chinese Academy of Sciences Professor Zhiming Yu Institute of Oceanology Chinese Academy of Sciences

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Dr Susan Fuller Queensland University of Technology	Russian wheat aphid invasion	Professor Le Kang Institute of Zoology Chinese Academy of Sciences
Dr Weimin Gao Deakin University	Micro system and its functional formulation for direct energy conversion.	A/Professor Changfeng Yan Guangzhou Institute of Energy Conversion, Chinese Academy of Sciences
Dr Baohong Hou Primary Industries and Resources South Australia (PIRSA)	Development of new techniques to model and interpret data from integrated geoscientific technologies in exploration for mineral resources.	Professor Kezhang Qin Institute of Geology and Geophysics, Division of Solid Mineral Resources Chinese Academy of Sciences Professor Xianrong Luo Guilin University of Technology
Professor Keith Jones University of Newcastle	Beijing-Newcastle collaboration in oocyte cell and molecular biology.	Professor Qing-Yuan Sun Institute of Zoology Chinese Academy of Sciences
Dr John Keesing CSIRO Marine Research	Study of impacts on benthic habitats of intensive use of the coastal ecosystem in north eastern China in relation to similar Australian ecosystems which are subject to increasing human usage.	Professor Dongyan Liu Yantai Institute of Coastal Zone Research for Sustainable Development Chinese Academy of Sciences Professor Xinzheng Li Institute of Oceanology Chinese Academy of Sciences
Dr Weihua Li University of Wollongong	Sensing and actuating capabilities of magnetorheological elastomers.	Professor Xinglong Gong University of Science and Technology of China Chinese Academy of Sciences
Professor David Shum Griffith University	Prospective memory in individuals with schizophrenia and schizotypal personality features: an event-related potential analysis.	Professor Raymond Chan Institute of Psychology Chinese Academy of Sciences

Dr Bing Zhang Department of Primary Industries and Fisheries	Develop real time PCR assays applicable for identification and differentiation of Babesia spp.	Professor Guangxiu Liu Cold and Arid Regions Environment and Engineering Research Institute Chinese Academy of Sciences Professor Hong Yin Lanzhou Veterinary Research Institute Chinese Academy of Agricultural Science
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