

Lee Kuan Yew Postdoctoral Fellowship Awardee for 2019

Project Title	PI (Dept/ Faculty)
Seeing Atomic-Scale Defects and Lattice Thermal Vibrations with Aberration-Corrected Scanning Transmission Electron Microscopy: New Pathways to Improved Thermoelectrics	Dr Wu Haijun (Materials Science Engineering/ FOE)

Lee Kuan Yew Postdoctoral Fellowship Awardee for 2018

Project Title	PI (Dept/ Faculty)
Understanding Electro-Mechanical Effects on Tissue Homeostasis	Dr Saw Thuan Beng (Biomedical Engineering/ FOE)

Lee Kuan Yew Postdoctoral Fellowship Awardee for 2017

Project Title	PI (Dept/ Faculty)
Towards Heisenberg-Limited Spectroscopy of Optical Atomic Clock with Lutetium Ions	Dr Tan Ting Rei (Physics/ FOS)

Lee Kuan Yew Postdoctoral Fellowship Awardee for 2016

Project Title	PI (Dept/ Faculty)
In-situ Scanning Transmission Electron Microscopy of Multiferroic Devices	Dr Li Changjian (Material Science & Engineering/ FOE)

Lee Kuan Yew Postdoctoral Fellowship Awardee for 2015

Project Title	PI (Dept/ Faculty)
Quantum networks with single atoms and photons	Dr Matthias Steiner (Physics/ FOS)

Lee Kuan Yew Postdoctoral Fellowship Awardee for 2014

Project Title	PI (Dept/ Faculty)
Understanding the origin of complex evolutionary structures: an evolutionary development study of <i>de novo</i> abdominal appendages in insects	Dr Kathy Su Feng-Yi (Biological Sciences/ FOS)

Lee Kuan Yew Postdoctoral Fellowship Awardee for 2013

Project Title	PI (Dept/ Faculty)
Algorithmically Resolving Heterogeneity and Dynamics of Nanoscale Objects in the Native State	Dr Loh Ne-Te Duane (Biological Sciences and Physics/ FOS)

Lee Kuan Yew Postdoctoral Fellowship Awardee for 2012

Project Title	PI (Dept/ Faculty)
Micro-nano Patterning Technology in Determining Cell Fate and Underlying Mechanism	Dr Tay Chor Yong Dalton (Chemical and Biomolecular Engineering/ FOE)

Lee Kuan Yew Postdoctoral Fellowship Awardees for 2011

Project Title	PI (Dept/ Faculty)
Novel Eye imaging biomarkers for Degenerative and vascular brain diseases	Dr Md Kamran Ikran (Ophthalmology/ YLLSOM)
The role of MicroRNAs and local protein synthesis in central nervous system regeneration	Dr Vivian Poon Yi Nuo (Duke-NUS GMS)

Lee Kuan Yew Postdoctoral Fellowship Awardee for 2010

Project Title	PI (Dept/ Faculty)
Understanding Apoptotic DNA breakpoints	Dr Melissa Jane Fullwood (Duke-NUS GMS)

Lee Kuan Yew Postdoctoral Fellowship Awardee for 2009

Project Title	PI (Dept/ Faculty)
Controlled Synthesis, Electronic Devices and Intergration of Carbon Nanomaterials	Dr Wei Dacheng (Physics/ FOS)

Lee Kuan Yew Postdoctoral Fellowship Awardees for 2008

Project Title	PI (Dept/ Faculty)
Improving software reliability through specification and verification techniques	Dr Aquinas Adam Hobor (Computer Science/ SOC)
Design & analysis of algorithms and data structures for massive data management and information retrieval	Dr Panagiotis Karras (Computer Science/ SOC)
Software engineering with a particular focus on software evolution, collaborative software development, reverse engineering, data mining in software engineering and knowledge-based software engineering	Dr Xing Zhenchang (Computer Science/ SOC)
The regulation and downstream effects of RUNX2 expression in breast cancer	Dr Leong Tai Wei David (National University Medical Institute/ YLLSOM)
Computational modeling of granular materials and processes	Dr Lim Wee Chuan, Eldin (Chemical and Biomolecular Engineering/ FOE)
Nanomagnetics & Spintronics	Dr Yi Jiabao (Materials Science & Engineering/ FOE)
Theory of Stochastic Dynamics in Nano-scale System	Dr Cheng Xingzhi (Electrical & Computer Engineering/ FOE)
Marine biology	Dr James R. Guest (Biological Sciences/ FOS)

Project Title	PI (Dept/ Faculty)
Spin & Acoustic Dynamics Of Nanostructures	Dr Wang Zhikui (Physics/ FOS)

Lee Kuan Yew Postdoctoral Fellowship Awardees for 2007

Project Title	PI (Dept/ Faculty)
Modelling the Temporal Dynamics of Cell Signalling Pathways Using Belief Propagation for Parameter Estimation	Dr Lisa Tucker-Kellogg (Computer Science/ SOC)
Sensor Network Specification, Verification and Synthesis	Dr Sun Jun (Computer Science/ SOC)
Environmental nanomaterials for water purification and waste stablization	Dr Shih Kaimin (Environmental Science & Engineering/ FOE)
Functional oxide materials	Dr Lou Xiaojie (Materials Science & Engineering/ FOE)
Biomarker discovery in breast cancer for early detection	Dr Chong Poh Kuan (Oncology Research Institute/ SOM)
Silicon Nanophotonics	Dr Teo Ee Jin (Physics/ FOS)
Investigating viral assembly and budding in space and time	Dr Isabelle Le Blanc (Microbiology/ YLLSOM)
Terahertz characterizations of Metamaterials	Dr Han Jiaguang (Physics/ FOS)

Lee Kuan Yew Postdoctoral Fellowship Awardees for 2006

Project Title	PI (Dept/ Faculty)
Quest of security and privacy in distributed collaboration and online trade	Dr Aldar Chan (Information Systems/ SOC)
Semiconductor materials, processing and devices	Dr Tan Chuan Seng (Electrical & Computer Engineering/ FOE)
Immunopathogenesis of Dengue Virus Infection	Dr Justin Chu (Medicine/ YLLSOM)
Single molecular level investigations for molecular electronics	Dr Chen Wei (Physics/ FOS)
Polymer-chitosan bioconjugates	Dr Xu Fujian (Chemical & Biomolecular Engineering/ FOE)

Lee Kuan Yew Postdoctoral Fellowship Awardees for 2005

Project Title	PI (Dept/ Faculty)
Pattern formation, morphological behaviour and interfacial growth on electrochemical deposition of metals	Dr Zhang Keqin (Physics/ FOS)
The functional genomic characterization of trip-br integrator function	Dr Sim Khe Guan (Medicine/ YLLSOM)
Tissue engineering	Dr Susan Liao (Bioengineering/ FOE)

Lee Kuan Yew Postdoctoral Fellowship Awardees for 2004

Project Title	PI (Dept/ Faculty)
Development of Machine Intelligence	Dr Teh Yee Whye (Computer Science/ SOC)
Exploring Host-Pathogen Interactions	Dr Sylvie Alonso (Microbiology/ SOM)

Lee Kuan Yew Postdoctoral Fellowship Awardees for 2003

Project Title	PI (Dept/ Faculty)
Cellular Materials, Experimental & Computational Mechanics, Diffusion in Metals, Damage Mechanics, Computer-Aided Design, Adhesive Technology	Dr Andreas Ochsner (Mechanical Engineering/ FOE)
Digital Signal Processing, Pattern-Recognition, Time Frequency Analysis, Image Processing & Their Application to Non-Stationary Signals	Dr Benhur Aysin (Bioengineering/ FOE)

Lee Kuan Yew Postdoctoral Fellowship Awardees for 2002

Project Title	PI (Dept/ Faculty)
July 2002 Selection Round	
Genetic relationships between allergy causing dust- mites. Evolution of allergenic proteins, molecular cloning, characterisation and T-Cell responses	Dr Adrian Loo Hock Beng (Biological Sciences/ FOS)
November 2002 Selection Round	
Research Area on Proteomics	Dr Lin Qingsong (Biological Sciences/ FOS)
Research Area on Wireless Communications & Signal Processing	Dr Zha Wei (Electrical & Computer Engineering/ FOE)