

## **NUS-Cambridge (UK) Dual University Assistant Professorship**

### **Recipients**

#### **2008**

**Dr Chua Lay Lay** (link to <http://www.physics.nus.edu.sg/corporate/staff/chualaylay.html>)



Dr Chua's research focus is in the device physics and spectroscopy of solution-processable graphene and conjugated polymers for organic semiconducting applications, with focus on a) Solution-processable graphenes and b) Organic semiconductor devices (field-effect transistors, solar cells, lightemitting diode).

Dr Chua obtained her B.Sc. in Computational Chemistry, from NUS in 1995. Prior to rejoining NUS in 2004, she was Principal Engineer in Chartered Semiconductor Manufacturing (Singapore), Member of Technical Staff at Bell Laboratories (USA) and Research Associate at Cavendish Laboratory, University of Cambridge (UK). She received her Ph.D. in Physics from University of Cambridge.

**2009**

**Dr Zhang Yongliang** (link to [http://www.med.nus.edu.sg/mbio/staff-z\\_yongliang.html](http://www.med.nus.edu.sg/mbio/staff-z_yongliang.html))



Dr. Zhang's research focus is in signaling transduction pathways that regulate innate and adaptive immune responses, with focus on the regulation of mitogen-activated protein kinases (MAPKs) by MAPK phosphatases (MKPs, also known as dual specificity phosphatases or DUSPs) and the function of MKPs in immune responses.

Dr. Zhang obtained his Ph.D. degree in Molecular Microbiology from the Department of Biological Sciences, National University of Singapore in 2002. He joined Dr. Chen Dong's laboratory as a postdoctoral fellow in the Department of Immunology, University of Washington, Seattle, in 2002. He received an Odyssey Scholarship from the Cockrell Foundation and the University of Texas M.D. Anderson Cancer Center in 2005 and continued his research in Dr. Chen Dong's laboratory as an Odyssey Scholar in Department of Immunology, M.D. Anderson Cancer Center from 2005 to 2008. He was an Instructor in the Department of Immunology, M.D. Anderson Cancer Center before he joined NUS in 2009.

**Dr Volker Patzel** (link to [http://medicine.nus.edu.sg/mbio/staff-v\\_patzel.html](http://medicine.nus.edu.sg/mbio/staff-v_patzel.html))



Dr Patzel's research is focussed on analyses, selection, and design of (ribo)nucleic acids for inhibition (antisense and RNAi), enhancement (processing, nuclear export, and translatability of mRNA) or repair (spliceosome-mediated RNA trans-splicing) of gene expression towards diagnosis and treatment of human diseases. He has a strong interest in transferring intellectual property from research to application.

Dr Patzel is a graduate engineer and received his PhD from the Ruprecht Karls University in Heidelberg and an MBA from the Steinbeis University in Berlin. Prior to joining NUS in 2009, he was a PhD student and postdoctoral fellow at the German Cancer Research Centre in Heidelberg and later research group leader at the Max Planck Institute for Infection Biology in Berlin. He was a lecturer for bioinformatics at the University of Applied Sciences and lecturer for biotechnology at the Technical University of Berlin. He is an editorial board member of The Open Biotechnology Journal, honorary editorial board member at Infectious Disease: Research and Treatment as well as founder and head of the Steinbeis Transfer Centre for Nucleic Acids Design.