

## **PhD projects and scholarships available through Tier2 RSS funding for Aug2015/Jan 2016 intake**

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<http://admissions.ntu.edu.sg/graduate/R-Programs/R-WhenYouApply/Pages/R-HowtoApply.aspx>

Application deadline for Aug 2015 intake is extended to 31 March 2015  
Enquiry: [ac-sbs-gs@ntu.edu.sg](mailto:ac-sbs-gs@ntu.edu.sg)

Please contact the supervisors directly to find out more about the projects.

### **1. Gao Yonggui (SBS)**

Molecular mechanism of back-translocation and the stress response in protein synthesis

### **2. Kimberly Kline (SBS/SCELSE) and Eric Harvill (LKCSM) co-supervisor** Mechanisms of Immune Modulation by Epithelial Pathogens

### **3. Koh Cheng Gee (SBS)**

LIMK1 regulates centrosomal dynamics during mitosis

### **4. Liu Ding Xiang (SBS)**

Functional studies of viral and host cell factors involved in regulation of the replication and pathogenesis of human and animal RNA viruses

### **5. Lu Lanyuan (SBS)**

Modeling protein-protein interactions using a novel knowledge-based potential

### **6. Oliver Mueller-Cajar (SBS)**

The rubisco activation machinery of phytoplankton and autotrophic bacteria

### **7. Lars Nordenskiöld (SBS)**

Multi-scale simulations of biomolecular self-assembly by inverse Monte Carlo

### **8. Konstantin Pervushin (SBS)**

Essential chaperone function of L-PGDS that may be compromised by common drugs

### **9. Christiane Ruedl (SBS)**

Dendritic cells control intestinal homeostasis and disease

### **10. Su I-Hsin (SBS)**

Functional significance of talin methylation in normal and tumour cells

### **11. Tan Nguan Soon (SBS)**

- 1) Molecular drivers of epithelial-to-mesenchymal transition (EMT) in cancer
- 2) Why is trans fat bad: Understanding the lipotoxic effect of trans fat

### **12. Thirumaran Thanabalu (SBS)**

Squamous cell carcinoma: Role of N-WASP in cell proliferation and tumorigenesis

### **13. James P. Tam (SBS)**

Membrane-based processing and characterisation of novel active compounds for medicinal plants.