



**NUS**  
National University  
of Singapore

# Joint Workshop

Departments of Biological Sciences,  
Chemistry and Material Science

**Biomaterials and Chemical Biology**

May 5, 2004

## SCIENTIFIC PROGRAM

**Venue:** DBS Conference Room (Block S3, Level 5)

9:00 am	Introduction – Hew Choy Leong
9:05-9:10 am	Yao Shao Qin (Biological Sciences/Chemistry) <b>Chemical Biology and Chemical Proteomics</b>
9:10-9:25 am	Han Ming Yong (Material Science) <b>Luminescent quantum dots and bioapplications</b>
9:25-9:40 am	Thorsten Wohland (Chemistry) <b>Fluorescence Correlation Spectroscopy for the Characterization of Biomolecular Interactions</b>
9:40-9:55 am	Tan Choon Hong (Chemistry) <b>Small molecule catalysis</b>
9:55-10:10 am	Leong Weng Kee (Chemistry) <b>Research on Bioorganometallics</b>
10:10-10:25 am	Lim Tit Meng (Biological Sciences) <b>The Biosensor Focused Interest Group</b>
10:25-10:45 am	<b>Discussion/Break</b>
10:45-11:00 am	Sheu Fwu-shan (Biological Sciences) <b>Development of carbon nanotube-based biosensor for Bio-molecular Detection</b>
11:00-11:15 am	Ding Jun (Material Science) <b>Influence of electromagnetic field on neurite out-growth</b>
11:15-11:30 am	Wang Shu (Biological Sciences) <b>Peptide DNA vectors for targeted gene delivery</b>
11:30-11:45 am	Xue Jun Min (Material Science) <b>PLGA/Mesoporous Silica Hybrid Structure for Controlled Drug Release</b>
11:45-12:00 pm	Li Daiqin (Biological Sciences) <b>Spider Silks: Challenges and Opportunities</b>
12:00-12:15 pm	Suresh Valiyaveetil (Chemistry) <b>Biomimetic Synthesis of Novel Materials</b>
12:15-12:30 pm	Rudolf Meier <b>Salivary and defensive glands of flies (Diptera) as sources of novel bioactive compounds</b>
12:20-12:50 pm	<b>Discussion</b>
12:50-1:00 pm	<b>Conclusion</b> – Lee Hian Kee