

**6TH GRADUATE STUDENT SYMPOSIUM  
16 APRIL 2007, MONDAY  
S8, LEVEL 3, ROOM 14 (EXECUTIVE CLASSROOM)**

**SYMPOSIUM PROGRAMME**

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|--------------------|--|
| 11.00am to 11.30am | Organic Photovoltaics Way to Green Energy Source<br>Mr Anupam Midya<br><i>(Examiners: A/P Loh KP, Dr Xu QH, Dr Fan WY)</i>   |
| 11.30am to 12.00pm | Quantum Dots for Multiplexed Biological Detection<br>Mr Liu Xiaoqian<br><i>(Examiners: A/P Li TH, A/P Loh KP, Dr Karen Mak)</i>  |
| 12.00pm to 12.30pm | Surface Plasmon Resonance Sensors<br>Miss Liu Yi<br><i>(Examiners: A/P Ang SG, Dr Liu XG, Dr Sim WS)</i>   |
| 12.30pm to 1.00pm  | Semiconductors for Organic Transistors<br>Miss Fan Dongmei<br><i>(Examiners: Prof Chan SOH, Dr Xu QH, A/P S Valiyaveetil)</i>  |
| 1.00pm to 2.00pm   | <i>Break</i>   |
| 2.00pm to 2.30pm   | Reactive Oxygen Species and Diabetes<br>Mr Xu Jia<br><i>(Examiners: Dr Huang DJ, Dr Maung MS, Dr Leong LP)</i>   |
| 2.30pm to 3.00pm   | Enhancing Production of Elastase in the Presence of Tween-80 by<br><i>Bacillus sp.</i> EL31410<br>Mr Zhang Wei<br><i>(Examiners: Dr Popovich DG, A/P Zhou WB, Dr Leong LP)</i>   |
| 3.00pm to 3.30pm   | Post-Mortem Biochemical Changes in Muscle and its Conversion into<br>Meat<br>Miss Jiang Bin<br><i>(Examiners: A/P Kasapis S, Dr Popovich, DG, Dr Huang DJ)</i>   |
| 3.30pm to 4.00pm   | Chemical Modification of Guar Gum<br>Mr Wong Shen Siung<br><i>(Examiners: A/P Kasapis S, Dr Popovich DG, A/P Jaenicke S)</i>   |
| 4.00pm to 4.30pm   | Experimental Requirements for an Efficient Control of Free-Radical<br>Polymerizations via the Reversible Addition-Fragmentation Chain<br>Transfer (RAFT) Process<br>Mr Fang Xiao<br><i>(Examiners: Dr Zeng HQ, Prof Goh SH, Dr Zhao J)</i> |
| 4.30pm to 5.00pm   | Microemulsion-based Routes to Synthesize Nanoparticles<br>Mr Wu Hao<br><i>(Examiners: A/P Yao SQ, A/P Vittal JJ, Dr Fan WY)</i>  |

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|------------------|---|
| 5.00pm to 5.30pm | Nanoemulsion: Its Formation, Stability and Application in Personal Care Product<br>Miss Tan Yee Ting<br><i>(Examiners: A/P E Khor, A/P Chuah GK, Dr Liu XG)</i> |
| 5.30pm to 6.00pm | Porous Materials in Analytical Applications<br>Miss Tan Wei Ting<br><i>(Examiners: A/P Chuah GK, Dr Ship CP, Dr Huynh HV)</i>                                   |

- END OF SYMPOSIUM -

**6TH GRADUATE STUDENT SYMPOSIUM  
17 APRIL 2007, TUESDAY  
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|--------------------|--|
| 10.00am to 10.30am | Artificial Metallo-DNA towards Discrete Metal Arrays<br>Miss Ding Nini<br><i>(Examiners: Prof Andy HTS, Dr Zeng HQ, A/P Li TH)</i>   |
| 10.30am to 11.00am | Investigation of Bottled Water Materials: Poly(ethylene terephthalate) (PET) Vs Poly(vinyl chloride) (PVC)<br>Miss Salanieta M Corerega<br><i>(Examiners: A/P Kasapis S, A/P E Khor, A/P Jaenicke S)</i>         |
| 11.00am to 11.30am | Synthetic Ion Channels<br>Mr Raymond Ting-Gee Yan<br><i>(Examiners: Dr Zeng HQ, Dr Lear MJ, Dr Xue Feng)</i>   |
| 11.30am to 12.00pm | Biomolecular Catalysts of Diels-Alder Reactions<br>Mr Eey Tze Chiang Stanley<br><i>(Examiners: Dr Lear MJ, Dr Lam YL, Dr Lu YX)</i>  |
| 12.00pm to 12.30pm | <i>Break</i>   |
| 12.30pm to 1.00pm  | Sonochemical Synthesis of Nanomaterials<br>Miss Woo Chang Hong<br><i>(Examiners: A/P Leong WK, A/P Vittal JJ, A/P Chin WS)</i>   |
| 1.00pm to 1.30pm   | Entropy Minimization Methods on Analytical Chemistry: Decomposition Pure Spectra from Mixture Spectra without Prior Information<br>Mr Zhang Huajun<br><i>(Examiners: A/P Chin WS, Dr Bettens RPA, Dr Lee AM)</i> |
| 1.30pm to 2.00pm   | Bio Imaging Using Nano Particles<br>Miss Jhinuk Gupta<br><i>(Examiners: A/P Valiyaveetil S, Dr Wohland T, A/P Leong WK)</i>  |
| 2.00pm to 2.30pm   | The Application of Liquid Chromatography and Mass Spectroscopy in Proteomics<br>Mr Foo Yong Hwee<br><i>(Examiners: Dr Wohland T, A/P Yao SQ, Dr Zeng HQ)</i>   |
| 2.30pm to 3.00pm   | Basics and Applications of Protein Chip Technology<br>Mr Li Lu<br><i>(Examiners: Dr Popovich DG, Prof Li FYS, Dr Karen Mak)</i>  |

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| 3.00pm to 3.30pm | Analytical Applications of Microchip<br>Miss Fang Guihua<br><i>(Examiners: Prof Li FYS, Prof Lee HK, Dr Toh CS)</i>   |
| 3.30pm to 4.00pm | Sequencing Complex Polysaccharides<br>Mr Fu Caili<br><i>(Examiners: Dr Huang DJ, Dr Lear MJ, A/P Li TH)</i>   |
| 4.00pm to 4.30pm | Multicomponent Reactions/Cascade Reactions: Their Versatile<br>Application in Construction of Complex Molecules<br>Mr Ravi Kumar Sriramula<br><i>(Examiners: Dr Lear MJ, Dr Lu YX, Dr Huang DJ)</i> |

- END OF SYMPOSIUM -