

SYMPOSIUM B

Nanomaterials for Bioimaging and Biosensing

Symposium B: Nanomaterials for Bioimaging and Biosensing

Programme Overview

Level 3, Room 306

Mon, 29-Jun-09	Tue, 30-Jun-09	Wed, 1-Jul-09	Thu, 2-Jul-09	Fri, 3-Jul-09
	(08:30 - 09:15) Plenary Lecture 2 Peter Doherty	(08:30 - 09:15) Plenary Lecture 4 John Pendry	(08:30 - 09:15) Plenary Lecture 6 Hartmut Michel	
(09:00 - 09:45) Opening Ceremony	(09:15 - 10:00) Plenary Lecture 3 Andrew Wee	(09:15 - 10:00) Plenary Lecture 5 Chad Mirkin	(09:15 - 10:00) Plenary Lecture 7 Akihisa Inoue	(09:00 - 09:45) Plenary Lecture 8 Jean-Marie Basset
(09:45 - 10:30) Plenary Lecture 1 Peter Gruenberg	(10:00 - 10:30) Coffee Break			(09:45 - 10:30) Plenary Lecture 9 Frederick Lange
(10:30 - 11:00) Coffee Break				(10:30 - 11:00) Coffee Break
(11:00 - 13:00) Session B-S1	(10:30 - 13:00) Session B-S4	(10:30 - 13:00) Session B-S5	(10:30 - 13:00) Session B-S9	(11:00 - 13:00) Session B-S12
(12:30 - 14:00) Lunch (13:00 - 13:45) Theme Lecture James L. Hedrick	(12:30 - 14:00) Lunch (13:00 - 13:45) Theme Lecture Martyn Poliakoff	(12:30 - 14:00) Lunch (13:00 - 13:45) Theme Lecture Karl U. Kainer	(12:30 - 14:00) Lunch (13:00 - 14:30) Panel Discussion	(13:00 - 14:30) Closing & Poster Award Ceremony Lunch
(14:00 - 16:00) Session B-S2	(14:00 - 16:45) Session B-S5	(14:00 - 16:00) Session B-S7	(14:30 - 16:00) Session B-S10	<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> </div>
(16:15 - 16:30) Break		(15:30 - 17:30) Session B-S8 POSTER SESSION	(16:00 - 18:30) Session B-S11	
(16:30 - 18:15) Session B-S3				
(18:00 - 20:00) Public Lectures @ UCC Peter Doherty Peter Gruenberg		(19:00 - 20:00) Public Lecture @ UCC Hartmut Michel	19:00 - 22:00 hrs Conference Banquet @ Suntec	

B-S1

Monday, 29 June 2009

11:00-13:00

Level 3, Room 306

11:00 B-S1.1-2(KN) A00491-00901 pg B13
Controlling the Optical Properties of Inorganic Nanocrystal Heterostructures
Gregory SCHOLES

11:30 B-S1.3(O) A00278-00509 pg B10
Large-scale Preparation of Semiconductor Photoluminescent Quantum Dots and Their Bioimaging Application
Ming-Qiang ZHU, Jin-Hua LIU, Jun-Bing FAN, Feng LONG, Lin-Jing SHEN

11:45 B-S1.4(O) A00326-00602 pg B11
Origin of Manganese Luminescence Enhancement in Mn-doped ZnS Nanoparticles
Tze Chien SUM, Edbert Jarvis SIE, Hairuo XU, Wee Shong CHIN, Cheng Hon Alfred HUAN

12:00 B-S1.5-6(IN) A01580-02754 pg B29
Highly Luminescent Water-Soluble InP Nanocrystals with Thick ZnS Shell Prepared via Reactive Phase Transfer and Photochemical Processing
Norio MURASE, Chunliang LI, Masanori ANDO, Hiroyuki ENOMOTO

12:30 B-S1.7(O) A00519-00952 pg B13
Effect of Surfactant Concentration on the Formation of ZnSe Nanoparticles Synthesized by Wet Chemical Route
See Yau LEE, Sabar Derita HUTAGALUNG, Azizan AZIZ, Ishak MAT

12:45 B-S1.8(O) A00807-01413 pg B18
Synthesis of Silver Nanoparticles Using Acacia Gum as a Reducing Agent
Rashmi SANGHI, Preeti VERMA, Vandana SINGH

B-S2

Monday, 29 June 2009

14:00-16:00

Level 3, Room 306

14:00 B-S2.1-2(IN) A00304-00562 pg B10
Self-assembling Optoelectronic Nanostructures Inspired by b-amyloids: Synthesis, Characterization and Prospects for Bioelectronics
John D. TOVAR

14:30 B-S2.3-4(IN) A01377-02402 pg B26
Fabrication of Arrays of Sub-50-nm Nanofin structure via Photolithography and Nanocoating
Shigenori FUJIKAWA

15:00 B-S2.5(O) A00370-01756 pg B11
Development of Nanoarchitected Amperometric Biosensors
C. Retna RAJ, Bikash Kumar JENA

15:15 B-S2.6-7(IN) A00643-04943 pg B15
Nano-scale Self-Assembly for Functional Materials and Devices
JatinderVir YAKHMI

15:45 B-S2.8-9(IN) A01009-04609 pg B22
Applications of Carbon Nanotube Networks in Biomolecular Detection
Lain-Jong LI

B-S3

Monday, 29 June 2009

16:30-18:15

Level 3, Room 306

16:30 B-S3.1-2(IN) A01877-03238 pg B35
Novel Functionalized and Nanostructured Conducting Polymers for Biosensing
Jadranka TRAVAS-SEJDIC

17:00 B-S3.3(O) A01199-02048 pg B23
Detection of Thiols by MOS Capacitor for Biosensor Applications
Narayana THOTA, Elgar KANHERE, Enakshi BHATTACHARYA

17:15 B-S3.4(O) A01358-02385 pg B25
Self-assembling of Novel Multifunctionalizing Oligoarylenedithiols on Plasmonic Metal Nanoparticles for Label Free Bio-sensing
Maria LOSURDO, Maria GIANGREGORIO, Scott WOLTER, Giuseppe BIANCO, Alessandra OPERAMOLLA, Gianluca FARINOLA, Francesco BABUDRI, Francesco NASO, April BROWN, Giovanni BRUNO

17:30 B-S3.5-6(IN) A00384-00705 pg B12
Conjugated Polyelectrolytes as Platforms for Biomacromolecule Detections
Shu WANG

18:00 B-S3.7(O) A02275-03925 pg B41
Understanding Nanoparticle-biomolecule Interactions by Fluorescence and Raman Spectroscopy
Anup KALE, Haribhau GHOLAP, Satischandra OGALE

B-S4

Tuesday, 30 June 2009
10:30-13:00
Level 3, Room 306

10:30 B-S4.1-2(IN) A00843-01466 pg B19

Gold Nanoparticles with Tailored Size and Shape for Biosensing

Luis M. LIZ-MARZÁN,
Isabel PASTORIZA-SANTOS,
Jorge PÉREZ-JUSTE,
Ana SANCHEZ-IGLESIAS,
Enrique CARBO-ARGIBAY,
Victor MYROSHNYCHENKO,
F. Javier GARCIA DE ABAJO

11:00 B-S4.3-4(IN) A01638-02838 pg B31

Biological Applications of Colloidal Nanoparticles
Wolfgang PARAK

11:30 B-S4.5(O) A00743-01316 pg B16

Synthesis of II-VI Semiconductor Quantum Dots Applications for Live Cell Imaging

Narendra SINGH, Chiung Wen KUO, Peilin CHEN

11:45 B-S4.6(O) A02558-04372 pg B44

Imaging Endogenous Metabolites Directly in Latent Fingerprints Using Silica Nanoparticles and SALDI-TOF Mass Spectrometry

Angelina LIM, Matthew BENTON, Frederic ROWELL,
Jan MA

12:00 B-S4.7-8(IN) A02674-04592 pg B45

The Sonochemical Synthesis of Functional Nanomaterials

Muthupandian ASHOKKUMAR

12:30 B-S4.9(O) A00976-01695 pg B22

Synthesis and Characterization of Gold Nanoparticles via Reduction Methods with Different Reducing Agent

Norfazila MOHD SULTAN, Mohd Rafie JOHAN

12:45 B-S4.10(O) A01452-02520 pg B28

Concerns for Biototoxicity of the Nanomaterials

Arjumand WARSY, Nadia ALEISA, Maha DHAGASTANI

B-S5

Tuesday, 30 June 2009
14:00-17:00
Level 3, Room 306

14:00 B-S5.1-2(IN) A01197-02145 pg B23

Nanostructures for Bio-Chemical Sensors

Ajay AGARWAL

14:30 B-S5.3(O) A01430-03036 pg B27

Tunable Light Emission Using Quantum Dot Coated Upconverters

Tich-Lam NGUYEN, Paul SPIZZIRRI, Gerry WILSON,
Paul MULVANEY

14:45 B-S5.4(O) A01759-03088 pg B33

Synthesis of Nanoparticles of Porous Iron Carboxylates for Biomedical Applications

Daniela HEURTAUX, Tamim CHALATI,
Patricia HORCAJADA, Christian SERRE,
Ruxandra GREF, Brigitte GILLET, Catherine SEBRIE,
Jong San SAN, Gerard FERREY, Patrick COUVREUR

15:00 B-S5.5(O) A02068-03558 pg B37

SERS Detection of DNA at Sub-Picomolar Level on Silicon Nanotips Arrays

Hsin-I HSIUNG, Hung-Chun LO, Li-Chyong CHEN,
Kuei-Hsien CHEN

15:15 B-S5.6(O) A02620-04480 pg B44

Controllable Magnetic Bead Motion on Patterned NiFe Elliptical Lines for Biosensing Applications

CheolGi KIM, Anandakumar SARELLA,
SudhaRani VISHNUBHOTLA, J-R JEONG

15:30 B-S5.7-8(IN) A00853-04384 pg B20

Biodetection and Diagnosis Strategies by Using SERS and SEFS

Ramon A. ALVAREZ-PUEBLA

16:00 B-S5.9-10(IN) A02230-04476 pg B40

A GMR Sensor- and High-moment Magnetic Nanoparticle-based Biomedical Sensing System of Zeptomol (10^{-21} mol) Sensitivity: An Integrated Platform Potentially Leading to Personalized Medicine

Wang JIAN-PING, Yuanpeng LI, Jing YING,
Yao XIAOFENG, Xing CHENGGUO,
Balasubramanian SRINIVASAN

16:30 B-S5.11(O) A02210-03989 pg B39

Enhancing the Sensitivity of Silicon Nanowire Bio-Chemical Sensor

Cai Ying Joycelyn LOW, Ajay AGARWAL, Ignatius TAY

16:45 B-S5.12(O) A02464-04211 pg B42

Detection of WSSV Virus with Differential Pulse Voltammetry Technique on Thin ITO Film

Suthisa LEASEN, Somsak DANGTIP,
Jiraporn SRISALA

B-S6

Wednesday, 1 July 2009
10:30-13:00
Level 3, Room 306

10:30 B-S6.1-2(KN) A01596-02776 pg B30
Fabrication of Biocompatible Nanoparticles for Molecular Imaging and Drug Delivery
Horst WELLER

11:00 B-S6.3-4(IN) A00497-00913 pg B13
The Preparation of Colloidally Stable, Water Soluble, Biocompatible, Semiconductor Nanocrystals with a Small Hydrodynamic Diameter
Paul MULVANEY

11:30 B-S6.5-6(IN) A02296-03920 pg B42
Homogenous, Highly Emissive QDs-Silica Core-Shell Nanocomposite from Visible to Near Infrared; Their Applications in Two-Photon Imaging of Human Mesenchymal Stem Cells
Pi-Tai CHOU, Chih-Wei LAI

12:00 B-S6.7-8(IN) A01750-03052 pg B32
Size Controllable Supramolecular Nanoparticles for Molecular Diagnostics and Therapeutics
Hsian-Rong TSENG, Hao WANG, Shutao WANG

12:30 B-S6.9(O) A01599-02781 pg B30
Synthesis of Ternary ZnCdTe Quantum Dots with Highly Red Photoluminescence Properties
Norhayati ABU BAKAR, Vivi FAUZIA, Akrajas ALI UMAR, Muhamad MAT SALLEH, Muhammad YAHAYA

12:45 B-S6.10(O) A01308-04290 pg B25
Non-covalent Interaction of Single Walled Carbon Nanotubes with Ethylene-vinyl Acetate Copolymer Conductive Composite Films for Sensor Application
S. N. JAISANKAR, S. BALAKRISHNAN, Asit B. MANDAL

B-S7

Wednesday, 1 July 2009
14:00-16:00
Level 3, Room 306

14:00 B-S7.1-2(IN) A02918-04986 pg B46
A General Approach to Generate Multifunctional Nano-architectures from DNA-based ABC Monomers for Biosensing and Drug-delivery-coupled Imaging
Dan LUO

14:30 B-S7.3(O) A00664-01254 pg B15
Conductive Molecular and Nanostructural Building Blocks for DNA Biosensing
Hsiao-hua YU

14:45 B-S7.4(O) A00023-00024 pg B8
Facile Synthesis of Cu₂O Nanocrystals with Systema
Michael H. HUANG, Chun-Hong KUO

15:00 B-S7.5-6(IN) A00775-01361 pg B17
The New Applications of Beta-lactam Antibiotics Derivatives in Imaging of Gene Expression and Detection of Drug Resistant Bacteria
Rongrong LIU, Yanmei YANG, Bengang XING

15:30 B-S7.7(O) A01178-02041 pg B23
Nanoporous Electromembrane in Bioanalysis
Binh Thi Thanh NGUYEN, Yin THU NYINE, Chee-Seng TOH

15:45 B-S7.8(O) A01886-03256 pg B35
An Air-Supported Liquid Crystal System for Real-Time and Label-Free Characterizations of Phospholipases and Their Inhibitors
Deny HARTONO, Xinyan BI, Kun-Lin YANG, Lin-Yue Lanry YUNG

B-S8: Poster Session

Wednesday, 1 July 2009
15:30 - 17:30
Level 3, Gallery

B-S8.01(P) A00006-00018 pg B8
Examination of Au Nanocrystal-Directed Growth of Au-C₂O Core-Shell Nanostructures
Chun-Hong KUO, Michael H. HUANG

B-S8.02(P) A00072-04679 pg B8
Synthesis, Structure, Electrochemical Properties of Nano Layered Organic-inorganic Perovskites Containing Fe(CN)₆³⁻ Layers and its Application for Detection of DNA Hybridization
Jing WU, Liu HANXING, Cao MINGHE

B-S8.03(P) A00222-00418 pg B9
Assembly of Gold Nanostructures into Chains and Three-Dimensional, Highly Ordered Superstructures
Tian MING, Zhenhua SUN, Jianfang WANG

B-S8.04(P) A00278-00510 pg B10
A Versatile Energy-Efficient Approach to CdTe Quantum Dots at Moderate Temperature
Ming-Qiang ZHU, Jin-Hua LIU, Jun-Bing FAN, Feng LONG, Lin-Jing SHEN

B-S8.05(P) A00519-00948 pg B13
Optical Properties of Manganese-Doped ZnSe Nanoparticles Synthesized by Wet Chemical Route
See Yau LEE, Sabar Derita HUTAGALUNG, Azizan AZIZ, Ishak MAT

- B-S8.06(P) A00548-01009** pg B14
Oil-in-water Emulsion Synthesis of Hydroxyapatite with Controlled Size and Homogeneous Morphology
Kun WEI, Wusheng GUO
- B-S8.07(P) A00582-02818** pg B14
Preparations and Evaluations of Magnetically Guided Nanoparticles Carrying Thrombolytic Drug
Jyh-Ping CHEN, Yunn-Hwa MA, Pei-Ching YANG, Show-Yunn WU
- B-S8.08(P) A00588-02151** pg B14
Synthesis and Characterization of Nano-Crystalline LaF₃
Arun Kumar DORAI, Selvasekarapandian SUBRAMANIAM, Hema MUTHUSAMY, Nithya HELLER, Sakunthala AYYASAMY
- B-S8.09(P) A00720-01285** pg B15
Multicolor Tuning of Lanthanide-doped Down- and Up-conversion Nanocrystals by Single Wavelength Excitation
Feng WANG, Xuejia XUE, Xiaogang LIU
- B-S8.10(P) A00750-01432** pg B16
Surface Modification of Magnetite Nanoparticles and Their Intracellular Uptake
Min-Jeong PARK, K. M. Kamruzzaman SELIM, Inn-Kyu KANG, Yong-Min CHANG, Byung-Heon LEE
- B-S8.11(P) A00785-01378** pg B18
Development of Multi-Functional Electrochemical Oligonucleotide-based Sensors
Yin THU NYINE, Emelyn S. Q. TAN, Ridha WIVANIUS, Chee-Seng TOH
- B-S8.12(P) A00854-01576** pg B20
Lipid Encapsulation of Rare Earth-Doped Ceramic Nanophosphors for Fluorescence Bioimaging under Near Infrared Excitation
Kimikazu TOKUZEN, Kohei SOGA, Masao KAMIMURA, Yukio NAGASAKI
- B-S8.13(P) A00907-01595** pg B21
Fluorescence and Two-photon Absorption Properties of Organic Nanoparticles
Kazuo KASATANI, Hiroyuki TAKAMO, Yuji FUJIKAKE
- B-S8.14(P) A01166-01993** pg B23
A Simple Method Towards Self-Assembled Superparamagnetic Quantum Dots
Cameron EVANS, Swaminathan IYER, Colin RASTON
- B-S8.15(P) A01302-02562** pg B24
Photosystem II-Based Biomaterials for the Detection of Pollutants
Shanthy SUNDARAM, Ashutosh TRIPATHI, B. C. TRIPATHY
- B-S8.16(P) A01397-02429** pg B26
LSPR Based Biosensing on DNA Hybridization using Superstructured Au Nanoparticle Arrays Fabricated by Block Copolymer Self-Assembly
Ji Eun LEE, Ji Yong LEE, King Hang Aaron LAU, Dong Ha KIM
- B-S8.17(P) A01521-02654** pg B28
Detection of E.coli Using an Electrochemical Immunosensor
Li Yan Clara TOH, Yin THU NYINE, Chee-seng TOH
- B-S8.18(P) A01662-02874** pg B31
Facile Synthesis of Ag₂O Colloids
Lian-Ming LYU, Michael H. HUANG
- B-S8.19(P) A01690-02925** pg B32
Ultrafast Dynamics Studies of ZnS Semiconductor Nanoparticles
Edbert Jarvis SIE, Tze Chien SUM, Hairuo XU, Cheng Hon Alfred HUAN
- B-S8.20(P) A01763-03089** pg B33
Nuclear Magnetic Resonance Investigation of Novel Mn-Ferrites and Co-Ferrites Based MRI Contrast Agents
Adriano BONI, Alessandro LASCIALFARI, Manuel MARIANI, Kalaivani THANGAVEL, Massimo MARINONE, Maria F CASULA, Claudio SANGREGORIO, Paolo AROSIO, Maurizio CORTI, Claudia INNOCENTI
- B-S8.21(P) A01763-03805** pg B34
A Novel Approach to Magnetic Field Biosensors: NMR and SQUID Detection
Andrea VALSESIA, Pascal COLPO, Francois ROSSI, Paolo AROSIO, Manuel MARIANI, Alessandro LASCIALFARI, Maurizio CORTI
- B-S8.23(P) A01893-03263** pg B35
Selective Growth of Gold Nanoparticles onto Tellurium Nanowires via a Green Chemical Route
Zong-Hong LIN, Yang-Wei LIN, Kun-Hong LEE, Huan-Tsung CHANG
- B-S8.24(P) A01895-03268** pg B36
Synthesis and Characterization of Zn_xHg_{1-x}Se_yS_{1-y} Quantum Dots
Guo-Yu LAN, Yang-Wei LIN, Zong-Hong LIN, Huan-Tsung CHANG
- B-S8.25(P) A01896-03269** pg B36
Fabrication of Efficient CdHgTe/CdTe Quantum Dots Sensitized Solar Cells
Zusing YANG, Huan-Tsung CHANG

B-S8.26(P) A01998-03448 pg B36
Ultra-Sensitive Cholesterol Biosensor Based on ZnO Nanoparticles Grown in Solution
Sang Hoon KIM, Mohammad VASEEM, Ahmad UMAR, Yoon Bong HAHN

B-S8.27(P) A02080-03589 pg B37
Highly Sensitive and Selective Detection of Mercury Ions by Using Oligonucleotides, DNA Intercalators and Conjugated Polymers
Xinsheng REN, Qing-Hua XU

B-S8.28(P) A02190-03749 pg B38
Gold Nanoparticles for Immuno Sensing using Darkfield Imaging
Dorothee WASSERBERG, Remco VERDOOLD, Felicia UNGUREANU, Vinod SUBRAMANIAM, Rob KOOYMAN

B-S8.29(P) A02202-03780 pg B38
Fabricated of Chemical and Biosensors Based on ZnO Nanostructures by Electrochemical Principle
Ahmad UMAR, A. Ali HAJRY, Shafeequi AHMAD, Yoon-Bong HAHN

B-S8.30(P) A02231-03810 pg B40
Creation of Multi-Functional Biointerface Using by Plasma-Processing
Hiroshi ENDO, Shohei FUJITA, Yasuhiro MIYAHARA, Nagahiro SAITO, Osamu TAKAI

B-S8.31(P) A02313-03960 pg B42
15-Crown-5 Functionalized Au Nanoparticles Synthesized via Single Molecule Exchange on Silica Nanoparticles: Its Application to Probe 15-Crown-5/ K^+ /15-Crown-5 "Sandwiches" as Linking Mechanisms
Mei-Lin HO, Yu-Chun CHEN, Pi-Tai CHOU

B-S8.32(P) A02489-04270 pg B43
The Synthesis and Characterization of QD Incorporated Nano-hybrid Materials
Eunhae KOO, Mie IM, Dohyung RYU, Sangil HYUN, Changyeol KIM, Kwangyeon CHO, Sungho YOON

B-S8.33(P) A02533-04334 pg B43
Synthesis and Characterization of MWNT-ZnO Nanoparticle Composite
Sameera IVATURI, Ravi BHATIA, Prasad VISHNU BHOTLA

B-S9

Thursday, 2 July 2009
 10:30-13:00
 Level 3, Room 306

10:30 B-S9.1-2(IN) A01847-03203 pg B34
Synthesis, Properties and Assembly of Complex Nanocrystal Structures
Liberato MANNA

11:00 B-S9.3(O) A00178-00567 pg B9
Synthesis and Characterisation of Magnetic-Fluorescent Composite Colloidal Nanostructures
Fabien GRASSET, Stéphane CORDIER, Yann MOLARD, Frédéric DORSON, Tangi AUBERT, Victor ROULLIER, Valérie MARCHI-ARTZNER, Michel MORTIER, Hajime HANEDA

11:15 B-S9.4(O) A00426-01578 pg B12
Synthesis and Optical Spectroscopy of CdSe Quantum Dots Semiconductor
Nor Aliya HAMIZI, Mohd Rafie JOHAN

11:30 B-S9.5-6(IN) A02221-03797 pg B39
Bioconjugated Nanostructures for Diagnosis and Therapy
Natividad GALVEZ, Belen FERNANDEZ, Jose Manuel DOMINGUEZ-VERA, Rafael CUESTA, Ana B. HUNGRIA, Jose J. CALVINO

12:00 B-S9.7-8(IN) A00920-01617 pg B22
Dendron-Modified AFM Probes for Sensing DNA and Proteins and Mapping mRNA on Tissue Surface
Joon Won PARK

12:30 B-S9.9(O) A02684-04616 pg B45
Label-free Electrical Detection of DNA using Gold Nanoparticle Enhancement in Carbon Nanotube Networked Field-Effect Transistors
Xiaochen DONG, Dongliang FU, Peng CHEN, Lain-Jong LI

12:45 B-S9.10(O) A02808-04804 pg B47
Selective Sensing of Biomaterials Using Metal-clad Waveguide Biosensor
Shahid MEHMOOD

B-S10

Thursday, 2 July 2009
 14:30-16:00
 Level 3, Room 306

14:30 B-S10.1-2(KN) A02602-04441 pg B44
Nanocomposite Engineering of Nanocrystalline Materials
Jackie Y. YING

15:00 B-S10.3-4(IN) A01415-02453 pg B27
Oligonucleotide-based Sensing or Manipulating Elements
Yoshihiro ITO

15:30 B-S10.5(O) A01540-02689 pg B29
Positively Charged Silver Nanoparticles for Surface Enhanced Resonant Raman Spectroscopy of Dye-Labelled DNA
Ron GILL, Gerald LUCASSEN

15:45 B-S10.6(O) A01604-03986 pg B30
Development of Iron Oxide Nanoparticle Based Electrochemical Immunosensor for the Detection of Human PSA
Viswanathan SWAMINATHAN, AI PALANIAPPAN, B. S. SHAZZHARIF, Raju V. RAMANUJAN

B-S11

Thursday, 2 July 2009
16:00-18:30
Level 3, Room 306

16:00 B-S11.1-2(IN) A00471-01294 pg B12
Advanced Functional Nanocrystals for Bioimaging and Biosensing
Ming-Yong HAN

16:30 B-S11.3(O) A02275-03882 pg B41
Fluorescent Quantum Dot Labels for Rapid and Facile Immunodetection of Multiple Proteins
Sonia GAWANDE, Anup KALE, Haribhau GHOLAP, Padma SHASTRY, Satishchandra OGALE

16:45 B-S11.4(O) A01273-03413 pg B24
Single Walled Carbon Nanotubes (SWCNT) for Herbicide Detection
Ju Nie TEY, Sonu GANDHI, I Putu Mahendra WIJAYA, Jun WEI, C. Raman SURI, Isabel RODRIGUEZ, Subodh G. MHAISALKAR

17:00 B-S11.5-6(W) A01687-02916 pg B31
Routes to Biomedical Applications of Mesoporous Silica.
Chung-Yuan MOU

17:30 B-S11.7-8(IN) A02773-04738 pg B45
Electroconductive Hydrogels: Co-networks of Poly(HEMA-co-PEGMA-co-HMMA-co-MPC) and Polypyrrole (PPy) for Implantable Biosensors and Deep Brain Stimulation
Anthony GUISEPPI-ELIE

18:00 B-S11.9(O) A02926-05005 pg B47
Simulation of the Thickness Dependency of Enzyme Mediator Variations within Hydrogel Biorecognition Membranes
Abdur Rub ABDUR RAHMAN, Gusphyl JUSTIN, Anthony GUISEPPI-ELIE

18:15 B-S11.10(O) A00842-01588 pg B19
Studies on Technologically Important Carbonate-free Ferroelectric Nanostructures and their Biosensing Applications
Abhijit ROY, Dambarudhar MOHANTA

B-S12

Friday, 3 July 2009
11:00-13:00
Level 3, Room 306

11:00 B-S12.1-2(IN) A00889-01547 pg B21
Core-shell Upconversion Fluorescent Nanoparticles for Imaging and Photodynamic Therapy of Cancer
Yong ZHANG, Zhengquan LI, Haisheng QIAN, Huichen GUO, Niagara MUHAMMAD IDRIS

11:30 B-S12.3(O) A00758-01337 pg B17
Development of Biosensor for Detection of Mutations in DNA Using the Principle of FRET
Pramod Kumar BHATNAGAR, Paramatma Chandra MATHUR, Anamika ANEJA, Nidhi MATHUR

11:45 B-S12.4(O) A00876-02293 pg B20
Controlled Synthesis and Biomedical Applications of Monodisperse Magnetic Nanocrystals
Yanglong HOU

12:00 B-S12.5-6(IN) A02282-03896 pg B42
Fluorescent Rare-earth Based Oxides Nanomaterials: From Nanocrystals to Nanorods and Cytotoxicity Study
Timothy Thatt Yang TAN

12:30 B-S12.7(O) A02495-04265 pg B43
Synthesis and Characterization of Rare Earth Nano Compounds for Bio Labeling Applications
Muhammad Anis UR-REHMAN, Ali ABDULLAH

12:45 B-S12.8(O) A00740-01311 pg B16
Building an Artificial Cell Wall: Functional Biomolecule Assemblies in a Biomimetic Membrane Scaffold
Adam MECHLER, Stefania PIAVAVIGNA, Slavica PRAPORSKI, George MCCUBBIN, C. Jo CORBIN, Alan J. CONLEY, Lisandra L. MARTIN