



# NanoThailand 2016

## Sunday 27 November 2016

### Heron 2: Session 1: Nano-agriculture - Room3 (15:15 - 16:45)

time	[id] title	presenter
15:15	[241] Synthesis and fabrication of nanomaterials for applications in food and agriculture	Prof. SUKWATTANASINITT, Mongkol
15:35	[283] Enhanced Production and Selected Use of Nanocellulose from Fruit and Vegetable Residues: A Brief Review	Prof. DEVAHASTIN, Sakamon
15:55	[306] Discovery of biological self-assembling systems that have potential for incorporation into nanodevices and sensors	Prof. ROBINSON, Robert
16:15	[126] Production of Nanocellulose from Lime Residues Using Chemical-free Technology	Ms JONGAROONTAPRANGSEE, Saranya
16:30	[99] Antimicrobial and Antioxidant Activity of Caffeic Acid Phenethyl Ester Nanoparticles	Ms SAELO, Suparak

# Monday 28 November 2016

## **Heron 2: Session 2: Nano-medicine & biotechnology - Room3 (10:15 - 11:50)**

time	[id] title	presenter
10:15	[303] Development of Theranostic Nanoparticles for Cancers	Dr SATHORNSUMETEE, Sith
10:35	[172] Nanotechnology based delivery systems for peptides and vaccines	Prof. TOTH, Istvan
10:55	[122] Nanotechnology and Health	Dr SRICHANA, Teerapol
11:15	[245] Highly Sensitive Nucleic Acid and Antibody Based Electrochemical Detection by Using of Nanomaterials as Signal Amplification Elements	SURAREUNGCHAI, Weresak
11:35	[155] Evaluation of immunochromatographic-gold nanoparticle based assay efficacy in the detection of protease inhibitor in HIV-1 infected patient's plasma	Ms THONGKUM, Weeraya

## **Heron 2: Session 3: Environmental nanotechnology - Room3 (13:00 - 14:55)**

time	[id] title	presenter
13:00	[170] Nanocatalysts for Biorefinery and Advanced Biofuel Applications	Dr FAUNGNAWAKIJ, Kajornsak
13:20	[36] The electrochemical properties of NiO/NFs electrode induced by UV light irradiation	Ms MUSIKAJAROEN, Supansa
13:35	[91] Deoxygenation of oleic acid to produce bio-hydrogenated diesel over molybdenum oxide catalysts on supported alumina under inert atmosphere	Ms KROBKROONG, Navapat
13:50	[97] An innovative application of magnetic field for CO <sub>2</sub> hydrogenation reaction on Fe and Cu supported MCM-41 catalyst	Ms KIATPHUENGPORN, Sirapassorn
14:05	[84] The Increased Durability of Natural Dye on the SiO <sub>2</sub> -Modified Paper	BUNTEM, Radchada
14:20	[24] Efficient visible light-induced photocatalytic degradation of Rhodamine B over chlorophyll and Mg co-modified P25 nanoparticles	Ms PHONGAMWONG, Thanaree

## **Heron 2: Session 4: Nano-agriculture, Environmental nanotechnology & Other related topics - Room3 (15:00 - 16:50)**

time	[id] title	presenter
15:00	[249] Smart Farm System : Case Studies in Thailand	KERDCHAROEN, Teerakiat
15:20	[154] The effect of green synthesized gold nanoparticles on rice germination and roots	Mr TSI, Nji
15:35	[14] Turn-On Fluorescent Sensor from Indolium Salt for Cyanide Detection	Mr PROMCHAT, Apiwat
15:50	[32] Styryl-Functionalized BODIPY as Fluorescent Probe For Metal Ions Detection in Aqueous Media	Mr JANTRA, Suthikorn
16:05	[72] Water disinfection using silver nanoparticles impregnated coffee grounds: Escherichia coli and Staphylococcus aureus killing in batch-mode	Ms POKHUM, CHONLADA
16:20	[61] Cassava root materials composited with PEDOT:PSS used as low cost counter electrodes in dye-sensitized solar cells	Mr LOWPA, Seksan
16:35	[103] Metal Phthalocyanine and Metal Oxide Modifying Multiwall Carbonnano Tube Paste Sensors for Classification of Sweet Taste	Mr JUAGWON, Theerasak

## Tuesday 29 November 2016

### Heron 2: Session 5: Nano-medicine & biotechnology - Room3 (10:15 - 12:20)

time	[id] title	presenter
10:15	[251] Domain-Exchanged Antibody with Potentiated Effector Functions	RUKER, Florian
10:35	[253] Use of nanobodies in developing a bacterial antibody production platform	Prof. BERKMEN, Mehmet
10:55	[254] Bionanomaterials for Diagnostics, Imagine and Drug delivery	RUKTANONCHAI, Uracha
11:15	[257] Nanomaterials for analytical detection	Prof. CHAILAPAKUL, Orawon
11:35	[109] Selective Permeability of Antimicrobial Agents through the Protein Nanopore of the Highly-Drug Resistant Melioidosis Bacterium <i>Burkholderia pseudomallei</i>	Mr AUNKHAM, Anuwat
11:50	[12] Oriented antibody conjugation on dye-doped silica nanoparticles for targeted in vivo fluorescent imaging	Ms TREERATTRAKOON, Kiatnida
12:05	[87] Development of cellular platform for enhancing neuron differentiation	Ms UDOMRAT, Suthiwan

### Heron 2: Session 6: Nano-medicine & biotechnology - Room3 (13:30 - 14:55)

time	[id] title	presenter
13:30	[259] Cosmeceutical based nanotechnology: the beauty from nature	Dr KHONGKOW, Mattaka
13:50	[246] Nanomedicine-based drug delivery systems for anti-cancer targeting and treatment.	YATA, Teerapong
14:10	[21] Electrochemical aptasensor for glycated albumin in Diabetes mellitus diagnosis and monitoring	Dr BUNYARATAPHAN, Sasinee
14:25	[76] Development of novel silica-coated superparamagnetic iron oxide nanoparticles for highly efficient magnetofection and molecular imaging.	Dr LEELAWATTANACHAI, Jeerapond
14:40	[8] Synthesis and Fabrication of Silicon Nitride Nanopore Device for Biomolecule Detection	Dr BOONKOOM, Thitikorn