

**หัวข้อบรรยายพิเศษที่น่าสนใจ**  
**วันอังคารที่ 11 ตุลาคม พ.ศ. 2554**

Time	Sessions	Topics	Invited Speakers	Room
09.00-10.00	BIOMEDICAL SCIENCE	อี. โคลไล สายพันธุ์เกอร์	Prof. Dr. Prasert Thongcharoen	LOTUS SUITE 4
10.00-12.00	ปาฐกถา ศาสตราจารย์สตาจค์ มงคลสุข	The Future of Science-Universal, Global and Local	Dr. Peter Small	LOTUS SUITE 5-7
09.00-09.30	PHYSICAL CHEMISTRY	Material Development for Intermediate Temperature SOFC	Assoc. Prof. Sutin Kuharuangrong	LOTUS SUITE 11
09.00-09.30	CATALYSIS	Alkaline-Earth Metal Incorporated Mesoporous Silica As a Solid Base Catalyst for Biodiesel Synthesis	Dr. Jonggol Tantirungrotechai	LOTUS SUITE 8
09.00-09.30	MATHEMATICS, IT & STATISTICS	Medical Science and Mathematics	Assoc. Prof. Dr. Thanongchai Siriapisith	LOTUS SUITE 12
10.20-10.50		Homogenous Droplet Aggregation	Prof. Julian Poulter	
09.00-09.30	POLYMERS	Polymer/Colloid Assemblies for Biomedical Applications	Prof. Dr. Pramuan Tangboriboonrat	LOTUS SUITE 10

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11.00-11.30		Natural Rubber: A Potential Bioresource for Sustainable Polymer Industry	Assoc. Prof. Dr. Pranee Phinyocheep	
11.30-12.00		Development of bioplastic based on chemical modification approach	Prof. Dr. Suwabun Chirachanchai	
13.00-13.30	PHYSICS & APPLIED PHYSICS	Calibrating the Princess Sirindhorn Neutron Monitor	Prof. Dr. David Ruffolo (MU)	LOTUS SUITE 11
14.50-15.20	PHYSICS & APPLIED PHYSICS	Ferroic Hysteresis Modeling	Assoc. Prof. Dr. Yongyut Laosiritaworn	
13.00-13.30	INORGANIC CHEMISTRY	Metal-organic frameworks and their functions toward catalysis, anion-exchange and dynamic structural transformation with chromotropism	Assoc. Prof. Dr. Sujittra Youngmee	LOTUS SUITE 10
15.00-15.30		Surface Modifications of Iron Oxide Nanoparticles for Biological and Environmental Applications	Dr. Numpon Insin	
13.00-13.30	ORGANIC & MEDICINAL CHEMISTRY	Bioactive compounds from the genus Polyalthia	Assoc.Prof. Dr. Patoomratana Tuchinda	LOTUS SUITE 5
13.30-14.00		Synthesis of acetylene-based pi-conjugated systems for sensing	Assoc.Prof. Dr.Mongkol Sukwattanasinitt	

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		applications		
13.00-13.30	MATERIALS SCIENCE	Development of Conductive and Electroactive Polymers for Sensor Actuator and Drug Delivery Applications	Prof. Dr.Anuvat Sirivat (PPC, CU)	LOTUS SUITE 9
14.50-15.20		Sustainable Development in Metallic Coating Technology	Dr.Yuttanant Boonyongmaneerat	
13.00-13.30	BIOMEDICAL SCIENCE	Stem Cell and Gene Therapy	Assoc. Prof. Dr. Suradej Hongeng	LOTUS SUITE 4
13.30-14.00		Intracellular Engagement of Designed Ankyrin with Gag Polypeptide Impedes HIV-1 Assembly Process: A Gene Therapy Approach	Assoc. Prof. Dr. Chatchai Tayapiwatana	LOTUS SUITE 4
13.00-14.30	BIOMEDICAL SCIENCE	การเสพติดมีผลต่อสมองอย่างไร	Dr. Panpimol Wipulakorn Dr. Prapapan Chucharoen Prof. Dr. Piyarat Govitrapong	LOTUS SUITE 7
15.00-15.40		Science and Justice	Dr.Pornthip Rojanasunand	LOTUS SUITE
13.00-13.30	BIOLOGY	Practical conditions for egg preservation of two commercial fairy shrimps,	Prof. Dr. La-orsri Sanoamuang	LOTUS SUITE 6

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		<i>Branchinella thailandensis</i> and <i>Streptocephalus sirindhornae</i>		
13.30-14.00		Aspects about the fighting fish that most Thais do not know	Assoc. Prof. Dr. Bhinyo Panijpan	
14.00-14.30		Biological control: an alternative way to fight with our agricultural pests	Prof. Dr. Angsumarn Chandrapatya	
13.00-13.30	AGRICULTURAL & AQUATIC SCIENCES	Heterologously expressed shrimp proteins for protection against shrimp viruses	Prof.Amornrat Phongdara	LOTUS SUITE 1
13.30-14.00		Development and use of simple antibody methods to monitor shrimp pathogens	Prof.Paisarn Sithigorngul	
14.00-14.30		Discovery and use of shrimp antimicrobial proteins against viral and bacterial pathogens of shrimp	Prof.Anchalee Tassanakajon	
15.00-15.30	AGRICULTURAL & AQUATIC SCIENCES	Studies towards the molecular control of shrimp reproduction	Dr. Sirawut Klinbunga	LOTUS SUITE 1
15.30-16.00	AGRICULTURAL & AQUATIC	RNA interference technology for control of diseases and reproduction in shrimp	Asist. Prof.Chalernporn Ongvarrasopone	LOTUS SUITE 1

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	SCIENCES	industry		
16.00-16.30	AGRICULTURAL & AQUATIC SCIENCES	Development of triploid giant tiger shrimp for fast growth and protection of breeding stock resources	Prof. Boonsirm Withyachumnarnkul	
13.00-13.30	BIOTECHNOLOGY	Adding the quarternary structural elements in protein modularity for Nanomedicine	Professor Holland Cheng	LOTUS SUITE 2
13.30-14.00		High cell density cultivation of recombinant <i>Pichia pastoris</i>	Asst.Prof. Dr. Anan Tongta	
15.00-15.30		Bacteria Interface Oil Droplet: A Novel Class of Soft-Solid Material	Asst.Prof. Dr. Jirarat Wongkongkathep	
13.00-13.30	ENVIRONMENTAL SCIENCE & TECHNOLOGY	Bioaugmentation of Petroleum Contaminated Soil by Oil Degrading Bacteria: <i>Micrococcus Luteus</i> WN_1	Dr. Prayad Pokethitiyook	LOTUS SUITE 3
13.30-14.00		Biodegradation of Pesticides At Contaminated Sites	Dr. Anchana Pattanasupong	

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14.00-14.30		Innovative Wastewater Management Technology: Application of Natural Systems	Prof. Chongrak Polprasert	
14.50-15.20		Marine Environment after Nuclear Explosion at Fukushima	Dr. Yutthana Tumnoi	