**The 23rd Pacific Science Congress**

**Symposium Program**

**2016 June 13 (Monday) ~ 17 (Friday), Academia Sinica**

**Plenary Lectures:**

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| **Time**  | **Speaker**  | **Title**  |
| Day 2 (Tuesday, June 14) |
| 10:30~11:15 | Yuan-Tseh Lee | Necessary Transformation for Our Sustainable Future |
| 11:15~12:00 | Gordon McBean | Integrated Research for Reducing Disaster Impacts for a Sustainable Future Earth |
| Day 3 (Wednesday, June 15) |
| 9:00~9:45 | Chi-Huey Wong | Understanding Glycosylation in Biology and Development of Carbohydrate-based Cancer Vaccine |
| 9:45~10:30 | George Whitesides | Soft Robotics |
| Day 4 (Thuesday, June 16) |
| 9:00~9:45 | Sandra Harding | Objectivity Through Diversity: Another Logic of Scientific Research |
| 9:45~10:30 | Takashi Gojobori | Genome Information Oriented Society as a Sustainable Future Model |
| Day 5 (Friday, June 17) |
| 10:30~11:15 | David Wratt | Earth-System Science for Building a Sustainable Future - Addressing the Environmental Challenges of Climate Change |
| 11:15~12:00 | Lawrence Kent | An Overview of GMO Crops R&D in Africa with a Special Focus on the Gates Foundation’s Related Investments |

**Session 4: Human Health**

Day 2 (Tuesday, June 14)

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| **Time**  | **Speaker**  | **Title**  |
| Early Disease Detection Chair: Dr. Chen-Yang Shen |
| 14:00~14:50 | Chien-Jen ChenVice President, Republic of China | Risk Calculators for Predicting Cirrhosis and Liver Cancer in Patients Affected with Chronic Viral Hepatitis: REVEAL-HBV/HCV Study |
| 14:50~15:30 | Hiroyasu IsoOsaka University, Japan | Early Disease Detection: Evidence for Community –based Detection and Control for Hypertension and Emerging Health Issues in Japan |
| Emerging Infectious Disease Chair: Dr. Michael Lai |
| 16:00~16:30 | Gwong-Jen J ChangCenters for Disease Control and Prevention, USA  | Race to Control Emerging Zika Virus in Latin America |
| 16:30~17:00 | Linfa WangDuke-NUS Medical School, Singapore | Bats and Emerging Infectious Diseases: What have we Learnt in the Last two Decades? |
| 17:00~17:30 | Shin-Ru ShihChang Gung University, Taiwan | Host Factors Involved in Enterovirus Infection – Potential Applications in Therapy and Prophylaxis |

Day 3 (Wednesday, June 15)

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| **Time**  | **Speaker**  | **Title**  |
| Personalized Medicine Chair: Dr. Chen-Yang Shen  |
| 11:00~12:00 | Pan-Chyr YangNational Taiwan University, Taiwan | Precision Medicine for Lung Cancer: Current and Beyond |

Day 4 (Thursday, June 16)

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| **Time**  | **Speaker**  | **Title**  |
| Environmental Hormones and Persistent Organic Pollutants (organized by Environmental Quality Protection Foundation) Chair: Ling Yong-Chien, Tsu-Chang Hung, Hsieh Ying-Shih |
| 11:00~11:30 | Govinda Gorle | Bi2Se3 Microplate Structures as NIR Light Induced Photocatalysts for Degradation of Organic Pollutant Dyes and Photothermal/Photodynamic Inactivation of Bacteria |
| 11:30~12:00 | TBA | TBA |
| Lunch & Poster Session |
| 14:00~14:30 | Shin-Cheng Yeh | The Willingness to Pay for Averting from the Endocrine Disrupting Chemicals of the Residents in Taiwan |
| 14:30~15:00 | Li-Lian Liu | An Overview of Field and Laboratory Studies of Environmental Hormones and POPs on Aquatic Animals in Taiwan |
| 15:00~15:30 | Yueh-Yun Yao | Determination of Nitrite Endocrine Disruptor in Food with DIY Spectrophotometer |
| Tea Break |
| 16:00~16:20 | Chia-Liang Yen | Toxicity Assessment of Phthalates Using Zebrafish Embryos and Daphnia Magna |
| 16:20~16:40 | JC Gwo | Causes of the Skewed Sex Ratio in the Critically Endangered Formosa Landlocked Salmon (Oncorhynchus formosanus) |
| 16:40~17:00 | Cho-Hsun Sung | Rapid Determination of Bisphenol A in Thermal Papers by TOF-SIMS |
| 17:00~17:20 | Yueh-Jung Yen | The Molecular Basis of Transthyretin-Related Familiar Amyloid Polyneuropathy (TTR-FAP) |
| 17:20~17:40 | Jing-O Cheng | Distribution and Risk Assessment of Polycyclic Aromatic Hydrocarbons in the Surface Sediment from Danshui River, Taiwan |

Day 5 (Friday, June 17)

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| **Time**  | **Speaker**  | **Title**  |
| Food Safety and Environmental Toxicology (organized by Toxicology Society of Taiwan) Chair: Jaw-Jou Kang & Chih-Kang Chiang |
| 09:00~09:20 | Ying-Jan Wang | Endoplasmic Reticulum Stress-Triggered Autophagy and Lysosomal Dysfunction Contribute to the Cytotoxicity of Amine-modified Silver Nanoparticles in NIH 3T3 Cells |
| 09:20~09:40 | Pinpin Lin | Quantification of Unsaturated Aldehydes in Cooking Oils Using Liquid Chromatography-Mass Spectrometry |
| 09:40~10:00 | Ming-Wei Chao | The Impact of PM2.5 Particle in Cardiovascular System And Its Potential Prevention |