



4th International Conference of Young Scientists & Annual General Meeting of the Global Young Academy

Natural Resources in a Finite World | 21-23 May 2014 | Santiago de Chile, Chile

Parallel Science Sessions

Day 2, 22 May 2014, Parallel Science Sessions with Young Scientists from Chile and other Latin American Countries (3:40–4:40 pm)

Science and Engineering (Room JG1)

Chair: Guru Madhavan

(1) Jerónimo Maze

"Magnetic sensing with color centers in diamond"

(2) Felipe Barra de la Guarda:

Non-equilibrium quantum systems

(3) Stephen A. Miller:

Sustainable Polymers: How to Compete with Traditional Plastics

(4) Amal Amin Ibrahim Nada:

Manufacturing of new Nanostructured polymers/nanocomposites for new industrial applications of nanotechnology

(5) Thanh Nguyen TK:

Nanoparticles as Diagnostic and Therapeutic agents



Politics, Engagement, Humanities (Sala 339)

Chair: Eva Alisic

(1) Francesco Stellaci:

10 billion people to feed 35 year from now: how?

(2) Milica Pešic:

Development of science in the service of humanity

(3) Andrew Haddon Kemp:

War on Science and Active Hope

(4) Jan-Christoph Heilinger:

Cosmopolitanism and responsibility

(5) Kai Chan:

Time for a New Brand of Environmental Science Engagement

Biomedicine (Aula Magna)

Chair: Phil Gona

(1) Vincente A. Torres:

Role of Rab5 in Focal Adhesion Dynamics and Tumor Cell Migration

(2) Francisca Bronfman and Claudia Escudero:

Death signaling endosome in neuronal axons containing the common neurotrophin receptor. Implication for neurodegenerative diseases

(3) Daniel Escaff:

A Self-Organization Mechanism to Explain the Formation of Strange Barren Structures in Vegetation Dynamics

(4) Sherif Faruk El-Khamisy:

Chromosomal Strand Break Repair and Human Disease

(5) Yusuf Baran:

Drug Resistance in Cancer and its Reversal

(6) Christina Dorador:

Microbiology of high altitude Chilean lakes: from describing the limits of life to extending human life



Day 3, Fri., 23 May 2014, Parallel Science Sessions 5:00–6:00 pm, GYA members only

Medicine and biodiversity (Sala 14)

Chair: Phil Gona

(1) Muhammad Manjurul Karim:

Probiotic Technology for Sustainable Disease Management of Prawn Aquaculture

(2) Christian Agyare:

Medicinal plants and natural products as sources of antiparasitic agents

(3) Shamsun Nahar Khan:

Aspects of the New Class of Alpha-Glucosidase Inhibitors in the Treatment of the Diabetes

(4) Julia Baum:

Marine biodiversity in a changing world

Sustainability (Sala 15)

Chair: Jan-Christoph Heilinger

(1) Abdeslam Badre:

Towards a Triangular Scientific Synergies for Global Sustainable Development Policy

(2) Abdullah Shams Bin Tariq:

Academia and academic publishing

(3) Javier Garcia-Martinez:

The Global Experiment of the International Year of Chemistry: Creating On-line Communities for Learner-driven Education

(4) Martin Dominik:

Natural Resources in a Finite (?) Universe

Science and engineering (Sala 19)

Chair: Mitsunobu R Kano

(1) Javier M. Moguerza:

An Integrated Framework for Stakeholders Dialog within Energy Systems

(2) Ramesh T. Subramaniam:

Solid Copolymer Electrolyte Replacement in Dye-Sensitized Solar Cells

(3) Kok-Keong Chong:

Non-Imaging Dish Concentrator for the Application in Concentrator Photovoltaic System

(4) Federico Rosei:

What type of Energy for the future of humanity?