

BioSciences and Technology (BT)

Objectives

- To promote collaborative research activities in Biosciences and Technology among researchers from major institutions in Europe and Korea.
- To strengthen a network by holding regular seminars and sharing expertise among researchers in Europe and Korea, supported by KOFST & KSEAUK.

Topics

- Cell Biology
- Development
- Environmental Cue and Response
- The RNA world
- Signalling
- Systems Biology
- Any relevant topics with BT

Scope

- This symposium will cover a wide range of topics relevant to BioSciences and Technology from pure science to applied.
- This symposium will provide the opportunities to explore research collaboration among participating researchers working at the cutting edge of BioSciences and Technology in Europe and Korea.

Keynote Speaker

Dr. Sang-Soo Kwak (KRIBB, Korea)

Chair and Co-chairs

Dr. Byung-Wook Yun (Chair, University of Edinburgh, UK)

Prof. Hun Mok (University of Dublin, Ireland)

Dr. Sang-Soo Kwak (KRIBB, Korea)

Prof. Soo-Hyun Kim (University of London, UK)

Dr. Hee-Jeon Hong (University of Cambridge, UK)

Dr. Sung-Eun Bae (University of Surrey, UK)

BT1 (6th Aug 2009, 14:00 – 15:20, Sky5), Session Chair, Byung-Wook Yun

Paper presentation

1. Sungbo Cho, Cell-based assay with electrical impedance spectroscopy for label-free monitoring (Germany) –15+3 min
2. Jung Wook Sim, Study of cell signalling in microfluidics (UK) – 15+3 min
3. Chang-Hoon Nam, Analysis of immunoglobulin kappa variable regions expressed by high and low antibody responder pre-immune Biozzi mice (Germany) – 15+3 min
4. Soohyun Kim, Sex, smell and human diseases (UK) – 15+3 min

BT2 (7th Aug 2009, 09:30 – 10:50, Sky5), Session Chair, Hun Mok

Keynote speech

- Sang-Soo Kwak (Environmental Biotechnology Research Center, KRIBB)
Industrial transgenic plants for sustainable development on marginal lands
(Korea) – 35+5 min



Dr. Sang-Soo Kwak is a Principal Researcher at KRIBB. He earned his PhD in Plant Biochemistry at The University of Tokyo. His main research topics are study of antioxidation mechanism in plant cells and its application to develop transgenic plants with enhanced traits. He has been in charge of the Korea-China collaboration project on combating desertification using biotechnology since 2004.

Paper presentation

1. Haseong Kim, Steady-state analysis of gene regulatory networks via G-networks: Detecting abnormal behaviors of genes in budding yeast cell cycle gene regulatory networks (UK) –15+3 min
2. Namshik Han, A novel strategy for modeling and visualizing of transcription factor networks (UK) – 15+3 min

BT3 (7th Aug 2009, 11:10 – 12:30, Sky5), Session Chairs, Sang-Soo Kwak, Soohyun Kim

Paper presentation

1. Choi, Young Pyo, An approach to understanding human prion disease from a biochemical viewpoint (UK) – 15+3 min
2. Hanna Sheu, HIV prevention in schools by empowerment (Austria) – 15+3 min

3. Byung-Wook Yun, S-nitrosothiols regulate hypersensitive cell death during the plant disease resistance response (UK) – 15+3 min

Poster Presentation (7th Aug 2009, 12:30 – 14:00)

1. Sung Eun Bae, Defining changes in expression of mineralocorticoid receptor (MR), glucocorticoid receptor (GR) and Bcl-2 family in human hippocampus following transient global cerebral ischaemia (UK)
2. Jongho Sun, Green fluorescent protein as a reporter for spatial and temporal gene expression in *Streptomyces coelicolor* A3(2) (UK)
3. Ji-Hoon Yoo, Lack of genotype effect on D1, D2 and dopamine transporter binding in triple μ -, δ -, and κ -opioid receptor knockout mice of three different genetic backgrounds (UK)
4. Jongwoon Kim, Comparative study of risk assessment approaches based on different methods for deriving PNEC and DNEL of chemical mixtures (Germany) – 15+3 min