



"Összhang: Tudomány a gazdaságban és a társadalomban"

Modeling in Life Sciences - 2011

Interdisciplinary Conference

November 3, 2011

University of Szeged, Lecture Hall of Department of Ophthalmology
Szeged, Korányi fasor 10-11

Organized by Department of Medical Physics and Informatics, Bolyai Institute of University of Szeged
Department of Mathematics and Informatics of University of Novi Sad

- 10.00 - 10.10 Prof. Béla Rácz Vice-Rector of University of Szeged opens the conference
- 10.10 - 10.20 János Karsai (SZTE): Teaching Mathematics and Statistics in Sciences (Summary of the IPA project)
- 10.20 - 10.50 Beáta Oborny*, Péter Englert (ELTE, Budapest): ADAPTATION BY „FALLING APART?” – GROWTH STRATEGIES IN MODULAR ORGANISMS
- 10.50 - 11.20 Géza Meszéna (ELTE, Budapest): DARWINIAN SPECIATION ON A REGULATED ADAPTIVE LANDSCAPE
- 11.20 - 11.45 Coffee Break
- 11.45 - 12.00 Ágnes Méri (SZTE): SPATIAL MODELLING OF THE DISPERSION AND HOST FINDING BEHAVIOUR OF CUSCUTA CAMPESTRIS
- 12.00- 12.15 Diána H. Knípl (SZTE, Szeged): THE EFFECT OF GLOBAL AIR TRANSPORTATION ON THE INVASION OF PANDEMICS
- 12.15 - 12.30 Kyeongah Nah (SZTE, Szeged): THE DILUTION EFFECT OF THE DOMESTIC ANIMAL POPULATION ON THE TRANSMISSION OF P. VIVAX MALARIA AND FMD
- 12.30 - 12.45 Jelena Piperac*, Jadranka Luković, Lana Zorić and Nevena Nagl (Univ. Novi Sad): STEREOLOGICAL ANALYSIS OF SUGAR BEET PETIOLE
- 12.45 - 14.15 Lunch break
- 14.15 - 14.45 George Mihalas (Univ. of Medicine and Pharmacy, Timisoara): PRINCIPLES OF MODELING IN MOLECULAR BIOLOGY. APPLICATION FOR P53-MDM2 PROTEIN INTERACTION
- 14.45 - 15.15 András Málnási-Csizmadia (ELTE, Budapest): NON-TARGET BASED DRUG DESIGN
- 15.15 - 15.45 Viktória Lázár (SZBK, Szeged): AUTOMATED MAPPING OF ANTIBIOTIC INTERACTIONS IN ESCHERICHIA COLI
- 15.45 - 16.10 Coffee Break
- 16.10 - 16.40 Szilárd Fejér (SZTE, Szeged): VIRUS CAPSID MODELING: COMPLEX SELF-ASSEMBLY FROM SIMPLE BUILDING BLOCKS
- 16.40 - 17.10 Yukihiko Nakata (Basque Center of Appl. Math., Bilbao): GLOBAL DYNAMICS OF TWO COMPARTMENT MODELS FOR CELL PRODUCTION SYSTEMS WITH REGULATORY MECHANISMS
- 17.10 - 18.00 Closing and Discussions

Details: www.model.u-szeged.hu (event calendar)

