


Tuesday August 25 **Symposium 1**

Location: Room 1

Evolutionary systems biology

Organizers: *Laurence Loewe, University of Edinburgh, United Kingdom*
Balazs Papp, Biological Research Center, Szeged, Hungary

- 09.45 - 10.15 LAURENCE D. HURST (invited) “The EMBO Lecture”
Noise abatement and genome evolution 
- 10.15 - 10.45 ROY KISHONY (invited)
Evolution of resistance in multi-drug space
- 10.45 - 11.15 Coffee break*
- 11.15 - 11.35 RYSZARD KORONA
Genetic and environmental factors of fitness variation in yeast gene-deletion strains
- 11.35 - 11.55 IVANA GUDELJ
Quantifying fitness in a public goods game
- 11.55 - 12.15 CRAIG MACLEAN
The distribution of fitness effects of beneficial mutations in *Pseudomonas aeruginosa*
- 12.15 - 12.35 PIERRICK LABBÉ
Resistance gene replacement in the mosquito *Culex pipiens*
- 12.35 - 13.35 Lunch*
- 13.35 - 13.55 STEPHEN S. FONG
Integration of Metabolic Modeling and Laboratory Evolution
- 13.55 - 14.15 STEFAN SCHUSTER
Has molar yield in metabolic networks been maximized during evolution?
- 14.15 - 14.35 STEFAN RICHTER
Exploring relatedness of proteins based on electrostatic properties - application to estimation of enzyme kinetic parameters
- 14.35 - 14.55 JOHN F. BROOKFIELD
Statistical Properties of Evolved Gene Regulatory Networks- Feed Forward Loops in *Escherichia coli*
- 14.55 - 15.25 Coffee break*