

Mathematical Modelling in Biology

Department of Mathematics, University of Vienna, Austria
(Oskar-Morgenstern-Platz 1, Seminar room on 9th floor)

February 20, 2015

Programme

- 14:00 – 14:30 Mats Gyllenberg: “Linear Chain Trickery, or when are structured population models representable by ordinary differential equations”
- 14:35 – 15:05 Barbara Boldin: “An extension of the classification of evolutionary singular strategies in Adaptive Dynamics”
- 15:10 – 15:40 Andreas Deutsch: “Modelling and analysis of collective cell migration”
- 15:40 – 16:10 Coffee Break
- 16:10 – 16:30 Roeland Merks: “Hybrid, cell-based model of mechanical cell-matrix feedback explains collective patterning of cells in response to external stress”
- 16:35 – 17:05 Anna Marciniak-Czochra: “Mass concentration in a structured population model of clonal selection in acute leukemias”
- 17:10 – 17:40 Ryszard Rudnicki: “Applications of piecewise deterministic Markov processes in modeling of gene expression”
- 17:45 – 18:00 Andrea De Gaetano: “Modelling the evils of western nutrition”