



sidmodmatbio : Structured Integro-Differential models in Mathematical Biology

23-25 Apr 2014 Vienna (Austria)

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Planning

Wednesday, April 23, 2014

Time	Event
8:30 am - 9:00 am	Registration - Registration
9:00 am - 9:15 am	Welcome
9:15 am - 12:30 pm	Session 1
09:20 - 10:10	> Remarks on state-dependent delay - <i>Odo Diekmann, Utrecht university</i>
10:15 - 11:05	> Asymptotic optimization of linear growth-fragmentation processes - <i>Vincent Calvez, CNRS/ENS de Lyon/Inria</i>
11:40 - 12:30	> MULTISCALE MODEL ON OVARIAN FOLLICULAR DEVELOPMENT - <i>Philippe Michel, Institut Camille Jordan</i>
2:00 pm - 5:05 pm	Session 2
14:00 - 14:50	> A Singularly Perturbed HIV Model with Treatment and Antigenic Variation - <i>Jorge Zubelli, Instituto Nacional de Matemática Pura e Aplicada</i>
14:55 - 15:45	> Integro-Differential Models in Epidemiology - <i>Alun Lloyd, Department of Mathematics, North Carolina State University</i>

Time	Event
15:50 - 16:40	> What triggers the bacterial division ? - <i>Marie Doumic, BANG</i>
6:00 pm - 9:00 pm	Social event - Social event

Thursday, April 24, 2014

Time	Event
9:00 am - 1:00 pm	Session 3
09:05 - 09:55	> Structured population model of clonal selection in acute leukemias - <i>Anna Marciniak-Czochra, Institute of Applied Mathematics and Interdisciplinary Center for Scientific Computing (IWR), University of Heidelberg</i>
10:00 - 10:50	> Drug resistance in cancer: biological and medical issues, continuous modelling using structured population dynamics and theoretical therapeutic optimisation - <i>Jean Clairambault, INRIA Paris-Rocquencourt, Laboratoire Jacques-Louis Lions</i>
11:15 - 12:05	> Adaptive evolution of a reversible phenotype in cancer cell populations, mediated by stochastic and drug-induced epimutations: individual-based and continuum representations - <i>Rebecca Chisholm, Laboratoire Jacques-Louis Lions, INRIA Paris-Rocquencourt</i>
12:10 - 13:00	> Structured equations for adaptation and evolution in cancer cell populations - <i>Tommaso Lorenzi, INRIA Paris-Rocquencourt, Laboratoire Jacques-Louis Lions</i>
2:00 pm - 6:00 pm	Session 4
14:30 - 15:20	> Modelling stage-structured populations of crop pathogens: 1) under environmental change and 2) as part of a food web, using delay differential equations. - <i>Helen Kettle, Biomathematics and Statistics Scotland</i>
15:50 - 16:40	> A mathematical model of cell dynamics when cells are considered as punctual - <i>Nicolas Meunier, Mathématiques appliquées Paris 5</i>

Time	Event
16:45 - 17:35	<p>› Inverse problem on a structured integro-differential model in population dynamics - <i>Léon Matar Tine, Inst. C. J., Lyon</i></p>

Friday, April 25, 2014

Time	Event
9:00 am - 12:15 pm	Session 5
09:05 - 09:55	<p>› Size-structured populations with distributed states at birth. - <i>Peter Hinow, Univ. of Wisconsin-Milwaukee</i></p>
10:20 - 11:00	<p>› Nonlinear cell population model structured by molecular content for the differentiation process - <i>Romain Yvinec, INRA, UMR85 Physiologie de la Reproduction et des Comportements, F-37380 Nouzilly, France</i></p>
11:05 - 11:55	<p>› Investigation of a Nucleated-Polymerization Model applied to Polyglutamine Aggregation - <i>Carola Kruse, BANG</i></p>

Online user: 1

