

PK-PD workshop, Cordeliers Research Centre, Programme of the 1st day of the workshop:
Thursday December 18, 2008

9:00-9:30 J. Clairambault & J.-P. Marie: Welcome, coffee and croissants
9:30-10:15 Annabelle Ballesta: <i>A Combined Biological and Mathematical Approach for Modeling PK-PD of the Anticancer Drug Irinotecan - Focus on Acquired Resistance and Circadian Rhythms at the Cell Population Scale</i>
10:15-11:15 Justine Bodin: <i>Multiscale modelling of 5-fluorouracil antitumour activity</i> Inès Paule: <i>Individual dose adaptation of capecitabine for reduction of severe hand and foot syndrome</i>
11:15-11:45 Coffee Break
11:45-12:30 Benjamin Ribba: <i>Mechanistic PK-PD models to reveal synergy between anti-angiogenesis drugs and chemotherapy</i>
12:30-13:15 Maciej Swat: <i>Modelling of PK-PD and drug-drug interaction (synergy / antagonism / additivity) with examples of anti-cancer and anti-inflammatory drug combinations</i>
13:15-14:30 Lunch Break
14:30-15:15 Vladimir Vainstein: <i>Physiologically-based PK/PD of targeted drug delivery by monoclonal antibodies</i>
15:15-16:00 Dinesh DeAlwis: <i>Exploring the potential of PK/PD in early phase oncology drug development</i>
16:00-16:30 Coffee Break
16:30-17:15 Jack Tuszynski: <i>Computational cancer chemotherapy drug design and laboratory validation</i>
17:15-18:00 Albert Goldbeter: <i>Using an automaton model for the cell cycle to probe temporal patterns of drug administration in cancer chronotherapy</i>

PK-PD workshop, Cordeliers Research Centre, Programme of the 2nd day of the workshop:
Friday December 19, 2008

8:45-9:00 Coffee and croissants
9:00-9:45 Peter Hinow : <i>A mathematical model separates quantitatively the cytostatic and cytotoxic effects of a HER2 tyrosine kinase inhibitor</i>
9:45-10:30 Peter Kim : <i>Potential sources of drug resistance during Imatinib treatment</i>
10:30-11:00 Coffee Break
11:00-11:45 Pierre Magal : <i>Modelling P-gp transfer and acquired multi-drug resistance in tumour cells</i>
11:45-12:30 Jean-Pierre Marie : <i>Drug resistance induced by ABC-transporter proteins</i>
12:30-14:00 Lunch Break
14:00-14:45 Alissa Weaver : <i>Modulation of drug response and selection of clonal populations by microenvironment constraints</i>
14:45-15:30 Jeannette Soria : <i>Micro-environment and drug resistance in leukemia and ovarian cancer tumoral microenvironment and involvement of hospicells in drug resistance</i>
15:30-16:00 Coffee Break
16:00-16:45 Francis Lévi : <i>Circadian clock induction or disruption in cancer therapy</i>
16:45-17:30 Andrzej Swierniak : <i>Direct and indirect control of drug resistant cancer populations</i>
17:30-18:00 Jean Clairambault : <i>Towards optimisation of cancer therapeutics by taking into account patient-specific constraints: mathematical models for individualised medicine</i>
18:00-18:15 J. Clairambault & J.-P. Marie : <i>Conclusion of the workshop</i>