JACQUES BÉLAIR

TRAINING OF HIGHLY QUALIFIED PERSONAL

Postdoctoral Fellows

MICHÈLE TITCOMBE, Modelling of erythropoiesis, 2003 - 2005
LUCIANO BUONO, Biomedical modelling, 2001 - 2004
MICHAEL LI, Global attractors, 1993 - 1994

PhD students

LOIS BOULLU, Mathematical Modeling of Megakaryopoiesis, [co-supervision with Laurent Pujo-Menjouet, Université de Lyon], current
ANDREEA RIMBU, Modelling of feedback interactions in the haematopoietic system, current
ELENA EKIMOVA, Teaching of geometry in elementary schools (didactics), [co-supervision with France Caron (didactics)], 2006
SAMUEL BERNARD, Modelling of haematopoiesis and functional differential equations (mathematics), [co-supervision with Michael Mackey (physiology, McGill)], 2003
VINCENT LEMAIRE, Modelling of drug administration and absorption (physics), 2003

Masters’ students

JUSTIN LESAUTEUR-ROBITAILLE, Cellular Pathway Modeling, current
FLORENCE VÉRONNEAU-VEILLEUX, Epidemiological Modeling, 2017
FIDÈLE NIYUKURI, Modeling of malaria propagation between two groups 2014
FRÉDÉRIC PAQUIN-LEFEBVRE, Dynamical modeling of erythrocyte age distribution, 2014
MARCELA MOLINIE, Coupled Fitzhugh-Nagumo Oscillators, 2012
ÉMILIE KAUFMANN, Metabolic Modeling, [Exchange student from Université de Strasbourg], 2009
FRANÇOIS GRÉGOIRE-LACOSTE, Artificial neural networks, 2006
STEVEN SANCHE, Dynamics of bacterial colonisation in swines, 2005
NICOLAS DOYON, Modelling of atrial flutter, 2003
PATRICK LAFRANCE, Spatial effects in pharmacokinetic modelling, [co-supervision with Fahima Nekka (pharmacy, UdeM)], 2001
SIMON GUILLOTTE, Circadian rhythms and pharmacokinetics, 2001
OLIVIER LAREAU, Ionic model for atrial cells, 2001
SAMUEL BERNARD, Distributed delays and stability in population models, 2000
JEAN-FRANÇOIS VANIER, Periodicity in measles epidemic cycles in Québec, 1998
LEONARD OLEIN, Bistability and monotonicity in neural networks (mathematics - McGill), 1996
ISABELLE JULIEN, Coupled Wilson-Cowan oscillators, 1995
CYRILLE RUSTOM, Numerical calculation of power spectrum exponents, 1995
STEVEN DUFOUR, Stability in delayed neural networks, 1994
PIERRE DUMAS, Biological oscillators, 1992
DARIOUCH BABAI, A delayed differential equation modeling physiological processes, 1990
EUSÉBIA MORAIS, Interacting cardiac pacemakers, 1989
Undergraduate students

ALEXANDRA DURANT, *Dynamics of a patch malaria model*, 2017
PHILIPPE LAROCHE, *Stefensen’s method*, 1996
JÉRÔME Fournier, *Fractals and iterated function systems*, 1994
CYRILLE RUSTOM, *Power spectrum decay*, 1992