

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
SUE ANN CAMPBELL, *Normal forms in delayed differential equations*, 1990 - 1991

PhD students

BRIAN TREACY, *Mathematical modeling of physiological regulation*, since 2018
LOIS BOULLU, *Mathematical Modeling of Megakaryopoiesis*, [co-supervision with Laurent Pujo-Menjouet, Université de Lyon], 2018
ANDREEA RIMBU, *Modelling of feedback interactions in the haematopoietic system*, 2015
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

MICAELA ROCA, *Intercation between Dengue and Zika viruses*, since 2019
FRANÇOIS BOUTHILLETTE, *Viral delayed infection*, since 2018
FRANÇOIS BÉRUBÉ, *Modeling Dengue fever virus reinfection*, since 2018
JUSTIN LESAUTEUR-ROBITAILLE, *Cellular Pathway Modeling*, 2018
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 MOLINIÉ, *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, U de M)], 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

YASMINE ABBAOUI, *Drug administration in 1d models*, 2019
FEDERICO BARALLOBRES, *Modeling quail population dynamics*, 2017
ENRIQUE BARRERA VARGAS, *Two-delay differential equations*, 2017
ALEXANDRA DURANT, *Dynamics of a patch malaria model*, 2017
CATHERINE POISSANT, *PK-PD Modeling*, 2015
FLORENCE VÉRONNEAU-VEILLEUX, *Circadian pharmacokinetics*, 2013, 2014
LOUIS-XAVIER PROULX, *Periodicity in infectious diseases*, 2008
BENOIT ARBOUR, *Periodic differential equations*, 2000
PHILIPPE LAROCHE, *Stefensen's method*, 1996
JÉRÔME FOURNIER, *Fractals and iterated function systems*, 1994
CYRILLE RUSTOM, *Power spectrum decay*, 1992
PIERRE DUMAS, *Entrainment in an integrate-and-fire oscillator*, 1990