

Centre for Disease Modelling Canada-China Distinguished Lecture Mathematics and COVID-19

Pandemics in film: unraveling mathematical modeling



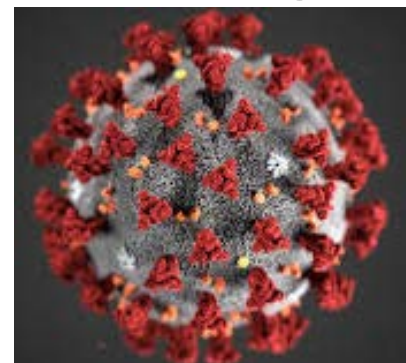
With

Dr. Jacques Belair

Universite de Montreal

Thursday August 27, 2020

8:30 pm – 9:30 pm (Eastern Time)



Webinar: Connect at <https://yorku.zoom.us/j/98615589444?pwd=S1JYcVAOR291blBoZzBnRkhDdW56dz09>
Also see announcement at cdm.yorku.ca

Abstract: Since the origin of cinema, infectious disease outbreak films have been numerous and have displayed a wide range of pathologies, including, in addition to real or "any-resemblance-to-actual-is-pure-coincidence" viruses, vampires, zombies and aliens. A non-comprehensive overview of recent and historical instances will be presented, and a mathematical representation of the last-minute-heroic-world-saving intervention will be discussed.

Bio: Jacques Bélair is Full Professor in the department of mathematics and statistics at Université de Montréal. His PhD is in applied mathematics from Cornell University and he was a postdoctoral fellow in the Department of Physiology at McGill University. He has served as associate director of the Centre de recherches mathématiques (CRM), vice-dean of the Faculty of Graduate and Postdoctoral Studies, President of the Canadian Applied and Industrial Mathematics Society (CAIMS) (of which he is currently Secretary), and co-chaired the Organizing Committee of the Annual Meeting of the Society for Mathematical Biology (SMB) in 2019. His research concerns mathematical modeling of dynamic regulatory processes in biology: in the past, cardiac arrhythmias and motor control, presently, blood cell production (hematopoiesis) and the propagation of infectious diseases in general, and currently COVID-19 in particular.

Panelists: J. Arino (UManitoba), J. Belair (UMontreal), J. Cui (BeijingUCivilEng&Archit), M. Fan (NENormalU), J. Heffernan (YorkU), Z. Jin (ShanxiU), M. Li (UAlberta), W. Lin (FudanU), W. Wang (SouthwestU), J. Watmough (UNewBrunswick), Y. Xiao (XianJiaotong U), H. Zhu (YorkU)

Organizers: Centre for Disease Modeling (CDM), Chinese Society for Mathematical Biology (CSMB)

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