

CENTRE for DISEASE MODELLING

2021 INCUBATION DAY

February 25

11.45 am-5.30 pm (EST)

SCHEDULE

TIME		
11.45-12	Opening Remarks Amir Asif, Vice-President Research & Innovation	
12-12.30	Featured Speaker Nick Ogden (PHAC)	
12.30-12.35-	Break	
12.35-2 pm	Session 1 Session Chair: Iain Moyles	
12.35-12.50	Adriana-Stefania Ciupeanu	Addressing the scarcity of data during epidemic events
12.50-1.05	Sana Jahedi	Optimizing Oncolytic viral therapy: a modelling approach
1.05-1.20	Maria Martignotti	Optimal public health response differs in high and low importation regions
1.20-1.35	Tilemachos Pechlivanoglou	Epidemic Spreading in Trajectory Networks
1.35-1.50	Yuan Zhong	A generalized linear mixed model approach to assess Emerald Ash Borer diffusion
2-2.10	Break	
2.10-3.40	Session 2	

	Session Chair: Adriana-Stefania Ciupeanu	
2.10-2.25	Elena Aruffo	COVID-19 vaccine implementation analysis in Canada
2.25-2.40	Jummy David	Modeling the potential impact of indirect transmission on COVID-19 epidemic
2.40-2.55	David Dick	Sars-CoV-2 Vaccination; Return to normal
2.55-3.10	Kurtis Manke	A generating function approach to the SIR effective degree epidemic model.
3.10-3.25	Yi Tan	Effectiveness of contact tracing and testing on COVID19 control: Canada a case study
3.25-3.40	Pei Yuan	School and community reopening during the COVID-19 pandemic: a mathematical modeling study
3.40-4.10	Break	
4.10-5.10	Session 3 Session Chair: Jude Kong	
4.10-4.25	Nicola Bragazzi	A critical overview of the evolution of disease mathematical modeling
4.25-4.40	Arma Khan	Modeling Aerosols using Computational Fluid Dynamics For An Improved Understanding of Aerosol Transmission of COVID-19 in Indoor Spaces
4.40-4.55	Vadim Tyuryaev	A method for clustering surface glycoprotein of SARS-CoV-2 sequences
4.55-5.10	MehreenTariq	Understanding the effects of interventions on transmission dynamics of Emerging Diseases: A case study of COVID-19 pandemic
5.10-5.25	Gabrielle Brankston	Quantifying Contact Patterns in Response to COVID-19 Public Health Measures in Canada
5.25-5.30	Closing Remark	