



## 2023-2024 Annual Meeting and CDM/OMNI-RÉUNIS Lab Opening Ceremony York University, February 20-21, 2024

Please [register here](#) to join us online. Once registered, you will receive all the necessary information and access details to join us virtually

<b>8:30-8:45</b>	Welcome Huaiping Zhu, Hélène Carabin, Mark Lewis		
<b>8:45-9:45</b> Helene Carabin	OMNI-RÉUNIS Distinguished Lecture Dr. John Amuasi, Kwame Nkrumah University of Science and Technology, Ghana <b>Lecture Title: Better One Health Amidst the Great Unknown</b>		
<b>9:45-10:00</b>	Coffee Break		
<b>10:00-11:30</b> Hélène Carabin Jane Parmley	<b>Theme 1: Data Management</b>		
	10:00-10:05	B. Nasri	Introduction & summary of the Data Management Theme
	10:05-10:12	Marine Hubert	Mathematical modelling methods of the transmission dynamics of zoonoses including rodents as hosts: A scoping review
	10:13-10:18	Jhoana Romero	Modelling the transmission of dengue, Zika and Chikungunya: a scoping review
	10:19-10:24	Bouchra Nasri	Mathematical modelling of mpox: a scoping review
	10:25-10:30	Q&A	
	10:31-10:36	Elda Laison	Credibility of Social media Data/Reddit and Twitter
	10:37-10:42	Philip Ciunkiewicz	Agent-Based Epidemiological Modeling of COVID-19 in Localized Environments
	10:43-10:47	Q&A	
	10:48-10:55	Yulyia Legkaya	One Health data portal: a focus-group study
	10:55-11:03	Bouchra Nasri	Data Repository: Case studies
	11:04-11:11	Haysn Hornbeck	Data Repository: Implementation and visualization
	11:12-11:30	Q&A, Discussion	



<p><b>11:30-12:30</b> Huaiping Zhu</p>	<p><b>CDM/OMNI-RÉUNIS lab opening ceremony</b> Speakers:</p> <p>Amir Asif, Vice president Research, York University Nicholas Ogden, Public Health Agency of Canada Kumar Murty, The Fields Institute for Research in Mathematical Sciences Rui Wang, Dean of Science Vivian, Associate Dean of Science</p>																		
<p><b>12:30-13:30</b></p>	<p>Lunch break</p>																		
<p><b>13:30-15:00</b> Amy Greer Patrick Leighton</p>	<p><b>Theme 2: Risk of Emergence and Spillover</b></p> <table border="1" data-bbox="451 835 1377 1507"> <tr> <td>13:30-13:45</td> <td>Amy Greer</td> <td>Overview and synthesis of theme 2 accomplishments</td> </tr> <tr> <td>13:45-14:00</td> <td>Jane Parmley</td> <td>Modelling the transmission of antimicrobial resistance in livestock.</td> </tr> <tr> <td>14:00-14:15</td> <td>Emily Acheson</td> <td>Ecological Drivers of Spillover 1</td> </tr> <tr> <td>14:15-14:30</td> <td>Norma Forero</td> <td>Ecological Drivers of Spillover 2</td> </tr> <tr> <td>14:30-14:45</td> <td>Yi Tan</td> <td>Modelling and dynamics for the spillover of monkeypox from reservoir hosts into target hosts</td> </tr> <tr> <td>14:45-15:00</td> <td>Amy Greer Patrick Leighton</td> <td>Wrap up and discussion</td> </tr> </table>	13:30-13:45	Amy Greer	Overview and synthesis of theme 2 accomplishments	13:45-14:00	Jane Parmley	Modelling the transmission of antimicrobial resistance in livestock.	14:00-14:15	Emily Acheson	Ecological Drivers of Spillover 1	14:15-14:30	Norma Forero	Ecological Drivers of Spillover 2	14:30-14:45	Yi Tan	Modelling and dynamics for the spillover of monkeypox from reservoir hosts into target hosts	14:45-15:00	Amy Greer Patrick Leighton	Wrap up and discussion
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<p><b>15:15-16:45</b> Jacques Bélair Iain Moyles</p>	<p><b>Theme 4: Intervention and Control</b></p> <table border="1"> <tr> <td data-bbox="448 239 630 331">15:15-15:20</td> <td data-bbox="636 239 773 331">Iain Moyles</td> <td data-bbox="779 239 1408 331">Overview and Summary of Intervention and Control</td> </tr> <tr> <td data-bbox="448 340 630 508">15:20-15:35</td> <td data-bbox="636 340 773 508">Amy Hurford</td> <td data-bbox="779 340 1408 508">The implementation of mobility restrictions in combination with vaccination and non-pharmaceutical interventions to meet the needs of small communities during a pandemic</td> </tr> <tr> <td data-bbox="448 516 630 600">15:35-15:50</td> <td data-bbox="636 516 773 600">Christian Muise</td> <td data-bbox="779 516 1408 600">Framework-Agnostic ABM Enhancements</td> </tr> <tr> <td data-bbox="448 609 630 701">15:50-16:05</td> <td data-bbox="636 609 773 701">Jane Heffernan</td> <td data-bbox="779 609 1408 701">Evolution of the virus: variants, transmission bottlenecks, and fitness</td> </tr> <tr> <td data-bbox="448 709 630 802">16:05-16:15</td> <td data-bbox="636 709 773 802">Xiaoyan Deng</td> <td data-bbox="779 709 1408 802">Insights into B Cell and Antibody Kinetics Against SARS-CoV-2 Variants Using Mathematical Modelling</td> </tr> <tr> <td data-bbox="448 810 630 903">16:15-16:25</td> <td data-bbox="636 810 773 903">Avneet Kaur</td> <td data-bbox="779 810 1408 903">Incorporating mechanisms of fear response in infectious disease modelling</td> </tr> <tr> <td data-bbox="448 911 630 1045">16:25-16:35</td> <td data-bbox="636 911 773 1045">Shohel Ahmed</td> <td data-bbox="779 911 1408 1045">Climate-dependent Effectiveness of Nonpharmaceutical Interventions on Infectious Disease Modelling</td> </tr> <tr> <td data-bbox="448 1054 630 1104">16:35-16:45</td> <td colspan="2" data-bbox="636 1054 1408 1104">Q&amp;A, Discussion</td> </tr> </table>	15:15-15:20	Iain Moyles	Overview and Summary of Intervention and Control	15:20-15:35	Amy Hurford	The implementation of mobility restrictions in combination with vaccination and non-pharmaceutical interventions to meet the needs of small communities during a pandemic	15:35-15:50	Christian Muise	Framework-Agnostic ABM Enhancements	15:50-16:05	Jane Heffernan	Evolution of the virus: variants, transmission bottlenecks, and fitness	16:05-16:15	Xiaoyan Deng	Insights into B Cell and Antibody Kinetics Against SARS-CoV-2 Variants Using Mathematical Modelling	16:15-16:25	Avneet Kaur	Incorporating mechanisms of fear response in infectious disease modelling	16:25-16:35	Shohel Ahmed	Climate-dependent Effectiveness of Nonpharmaceutical Interventions on Infectious Disease Modelling	16:35-16:45	Q&A, Discussion	
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<p><b>16:45-17:15</b> Arne Rückert Jacques Bélair</p>	<p><b>Super Spreader Seminar Series</b></p> <p>Super Spreader Seminar Series: success and future          Baafi Joseph          Shivdeep Hayer          Sanaz Gholizadeh          Suzan Farhang Sardroodi          Pei Yuan</p> <p>Predictive modelling and forecasting of the mosquito abundance and risk of West Nile virus</p>																								



## DAY 2 Wednesday Feb. 21, 2024

<b>8:30-9:30</b> Rebecca Tyson Huaiping Zhu	<b>Theme 5- Indigenous Peoples' Health &amp; Wellbeing</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">8:30-8:45</td> <td style="width: 25%;">Huaiping Zhu</td> <td style="width: 60%;">Update on theme 5</td> </tr> <tr> <td>8:45-9:00</td> <td>Kristin Murrey</td> <td>Living with Black Mold</td> </tr> <tr> <td>9:00-9:10</td> <td>Jean-Jacques Rousseau</td> <td>Black Mold: The Other Housing Crisis</td> </tr> <tr> <td>9:10-9:20</td> <td>Huaiping Zhu</td> <td>Climate change in Indigenous and Northern communities and impact on emerging of infectious diseases</td> </tr> </table>	8:30-8:45	Huaiping Zhu	Update on theme 5	8:45-9:00	Kristin Murrey	Living with Black Mold	9:00-9:10	Jean-Jacques Rousseau	Black Mold: The Other Housing Crisis	9:10-9:20	Huaiping Zhu	Climate change in Indigenous and Northern communities and impact on emerging of infectious diseases												
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