



2024 3MP Event

September 20, 2024

Host

Dr. Kelley Main, Dean, Faculty of Graduate Studies

Welcome Remarks

Dr. Mario Pinto, Vice President, Research and International

Judges:

Loren Oschipok - Director, Partnerships, Knowledge Mobilization and Innovation

Dr. Loren Oschipok is the Director of the Partnerships, Knowledge Mobilization & Innovation office at the University of Manitoba, where he plays a key role in identifying and evaluating early-stage technologies and helping launch academic innovations out of the University environment. With a Ph.D. from the University of British Columbia (UBC), Loren brings to the table 27 years of experience as both an academic researcher and technology transfer specialist. An authentic communicator and project manager, his career is marked by a passion for bridging the gap between academic innovations and their practical applications in our communities.

Iain Cozier - Director, Programs, North Forge

Iain is a father of 4, and currently the Director of Programming at North Forge, Manitoba's start-up technology incubator. Iain has both successfully scaled and exited a company as well as failed at founding a tech start-up. Through those experiences, Iain found a love for the entrepreneurial spirit and both actively coaches and invests in Manitoba start-ups.

Anam Ara – Ph.D. Candidate, 2024 UM 3MT 1st place winner

Anam's is a current graduate student at UM in the Department of Biochemistry and Medical Genetics. Her research focuses on understanding the epigenetic changes caused by prenatal cannabis smoke exposure that leads to childhood asthma. Anam's academic background includes a degree in Biotechnology and Microbiology from India. She holds multiple publications, awards, and recognitions for her scientific achievements. Anam placed first in the 2024 UM 3MT competition earlier this year and represented the University of Manitoba at the Western Regional final 3MT competition in Kelowna BC.

Challengers:



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Daniel Zogona – Food Science

Daniel is a Postdoctoral Fellow under Professor Trust Beta in the Department of Food and Human Nutritional Sciences (FHNS) at the University of Manitoba. His research focuses on food science, particularly cereal-based functional food, and the health benefits of bioactive compounds. Dr. Zogona is also the Secretary of the PostDoc & Research Associate Organization (PDRAO) within the department of FHNS. Dr. Zogona earned his Ph.D. in Food Science in 2022 from Huazhong Agricultural University in Wuhan, China.

Research Title: Bioactive compounds in cereals and their potential health benefits.

Titus Olukitibi – Medical Microbiology and Infectious Diseases

Titus is a dedicated researcher, passionate about clinical virology and vaccine development, currently working as a Postdoctoral Fellow at the UM Department of Medical Microbiology and Infectious Diseases. His work has led to over 20 publications and prestigious awards, including the inaugural Research Manitoba Postdoctoral Fellowship in HIV Epidemiology and the Manitoba Medical Service Foundation Award of Basic Research Excellence. Beyond his scientific achievements, Titus is deeply committed to mentoring the next generation. He founded Raising Foundations of Generations Inc., (www.rfgimpacts.org) an organization that empowers and inspires young people through initiatives like the Scientific Spelling Bee Competition (SPELBEC-Science), Discover Your Career Path (DYCP) reflecting his dedication to advancing science and nurturing future leaders.



Research Title: Immune markers associated with the natural clearance of HPV.



Kaustav Dey – Electrical and Computer Engineering

Kaustav received his B.E. degree in Electrical Engineering from Jadavpur University, India, in 2015. He obtained his M. Tech and PhD degrees from the Department of Electrical Engineering, Indian Institute of Technology Bombay, in 2022. He received the Naik and Rastogi Award for Excellence in Ph.D. Research in 2022 from the Indian Institute of Technology Bombay, India. He is currently working as a Postdoctoral Research Fellow with the Department of Electrical and Computer Engineering at UM. His research interests

include power system control, applications of decentralized control for converter-based power systems, and stability assessment of numerical simulation algorithms.

Research Title Stability analysis of controller hardware-in-loop electro-magnetic transient simulations.



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Minoo Dabiri Golchin – Occupational Therapy

Minoo completed her Ph.D. in Occupational Therapy in Iran and is currently a Post-Doctoral fellow between the Occupational Therapy and Computer Science departments. Her studies focus on the role of technology in facilitating play for children with disabilities.

Research Title: An overlooked human right: Play



Abhay Srivastava – Physiology and Pathophysiology

Abhay is a CIHR post-doctoral fellow with Dr. Sanjiv Dhingra at Institute of Cardiovascular Sciences, Department of Physiology and Pathophysiology. He has published more than 30 articles in international peer reviewed journals. He is a member of a peer review committee for CIHR graduate scholarship program. Abhay has received many awards and distinctions such as the Martin Morad young investigator award in 2023 and Arnold Naimark young investigator award in 2021 among others.

Research Title: Nanotechnology can direct cellular fuel burn and fight inflammation!!!

Carmine Slipski – Medical Microbiology and Infectious Diseases

Carmine has been passionate for science from a young age and completed his Bachelor of Science degree at the University of Manitoba with a major in Microbiology and a minor in Biology. He then began his Masters degree, from which he transferred directly to the Doctoral program in Medical Microbiology and Infectious Diseases under the co-supervision of Drs. Denice Bay and George Zhanel studying antimicrobial resistance mechanisms in bacteria. Carmine has served on many University student councils including President of the Health Sciences Graduate Student's Association (HSGSA) in 2018/19. He has won numerous conference and poster awards for his research most notably being a top finalist in the 2018 UM 3MT competition, the Emerging Leader Award from UM, the Gold Poster and Student Gairdner Awards from the International Congress on Academic Medicine (ICAM). Carmine is now completing his Post Doctoral Fellowship through an industry partnership project with PeriodiDiagnostics Inc. as a MITACS intern where he hopes to gain more experience as a research scientist navigating the entrepreneurial and biotech industry landscapes.

Research Title: Development of a rapid saliva test for detection of oral health.





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Illia Roskoshnyi – Law

Illia is a Post-Doctoral fellow at the Faculty of Law. Illia has over 5 years of legal practice, including representation of interests in the Supreme and International courts. His primary research interests include artificial intelligence and law, political, legal, economic history and theory, and behavioral economics.

Research Title: *Legal technological unemployment in the age of AI.*

Nicola Gasparre – Food Science

After obtaining a Master's degree in Food Science and Human Nutrition at University of Milan (Italy), Nicola began exploring the world of grain science as an assistant researcher in the R&D department of a gluten-free pasta company in Italy. His search for new professional challenges led him to Spain, where he secured a pre-doctoral grant (2017–2020) that enabled him to pursue a Ph.D. His research was conducted at the Institute of Agrochemistry and Food Technology (IATA), part of the Spanish National Research Council (CSIC). Additionally, part of his experimental work was carried out at the Western Regional Research Center (WRRC) within the Agricultural Research Service (ARS) of the USDA in Albany, California. From March 2022 he is a Post-Doctoral fellow in the Department of Food and Human Nutritional Sciences at UM.



Research Title: *Green technology for upcycling protein industry co-products into high value food ingredients.*

People's Choice Voting (Menti)

Light refreshments in the Joe Doupe Concourse while Judges Deliberate

Awards Presentations

This document is available in alternative formats upon request to graduate.studies@umanitoba.ca



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