



The Convergent Innovation Webinar Series:

Inventing “One-World” Solutions for Lifelong Wellness and Sustainable Economic Growth

Addressing Wicked Problems of Health and Access to Affordable Food/ Medicines/ Healthcare through Open Science Partnerships



Dr. Richard Gold is a James McGill Professor at McGill University’s Faculty of Law and Faculty of Medicine and Health Sciences. Teaching in the area of intellectual property and innovation, he currently serves as the Director of the Centre for Intellectual Property Policy. His research centers on models of innovation and novel intellectual property strategies, particularly those relying on open science. Prof. Gold has been an expert to governments, international intergovernmental agencies, and expert panels in Canada, the US and Europe

November 5, 2021

11:00 am EST

(2 hrs in length)

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Chair: Laurette Dubé (Scientific Director of MCCHE)

Co-Chair & Moderator: John G. Keogh (Professor of Practice, MCCHE; Founder, Shantalla Inc.)

ABSTRACT: Complex problems raise large issues of problem definition, coordination, duplication, integration, and mobilization. Open science partnerships (OSPs) – multiparty, multisector collaborations where knowledge is freely shared, published and transferred without patent rights – offer a transparent and efficient mechanism to address these complex problems. In particular, OSPs reduce transaction costs in establishing partnerships, enabling participation, reduce duplication, and set the stage for later, competitive, action. In this presentation, Dr. Gold will examine the role of OSPs in addressing failures in the innovation system and will discuss their application to address complex problems where causes and solutions lie at the interface between food, medicines and healthcare products, services, systems and policies.

PANEL DISCUSSION: A panel will follow with scientists and action leaders to advance convergence science and innovation at the food, health, medicine and healthcare interfaces for addressing challenge and possibilities afforded by open-sciences in accelerating world-scale transformation toward sustainable prosperity. Discussion will also explore how digital transformation of science, business and society can accelerate the bridging of seemingly incompatible commons and value-capture logics, capabilities, processes and impacts

ABOUT THE SERIES: The Convergent Innovation Webinar Series features cutting edge science, technology and innovation in agriculture, food, environment, education, medicine and other domains of everyday life where grand challenges lie at the convergence of health and economics. Powered by data science, artificial intelligence, and other digital technologies, this disciplinary knowledge bridges with behavioural, social, humanities, business, economics, social, engineering, and complexity sciences to accelerate real-world solution at scale, be it in digital or physical contexts. Initiated in the agri-food domain, the series is now encompassing other grand challenges facing modern and traditional economies and societies, such as ensuring lifelong wellness and resilience at both the individual and population levels.

Global Pulse Innovation Platform:



For more information or to subscribe, contact: sabina.hamalova@mcgill.ca or visit us [@MCCHE](#)



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Chair: Laetette Dubé, initially trained as a nutritionist, also holds degrees in finances (MBA), marketing (MPS), and behavioral decision-making/consumer psychology (PhD). Dr. Dubé is Full Professor at the Desautels Faculty of Management, McGill University. Her research focuses on the study of affects, behavioral economics, and neurobehavioral processes underlying consumption, lifestyle, and health behavior. Her translational research examines how such knowledge can inspire effective interventions. She is also the founder and scientific director of the McGill Centre for the Convergence of Health and Economics, a unique initiative to push the boundaries of science to tackle societal and economic challenges and foster individual and collective health and wealth.



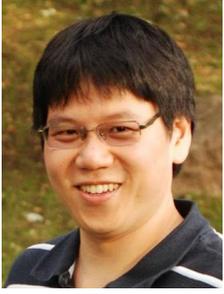
Moderator: John G. Keogh is a strategist, C-level advisor and academic researcher with 25 years of executive leadership roles as Director, VP and SVP in global Supply Chain Management, Information Technology, Technology Consulting and global Supply Chain Standards. He advises the public and private sectors worldwide and is a regular subject matter expert on TV and Radio. Mr. Keogh is managing principal at Toronto-based, niche advisory and research firm Shantalla Inc. Mr. Keogh holds a PG diploma and an MBA in Management and an MSc in Business and Management Research in transparency and trust. He is currently completing doctoral research on transparency and trust in food chains at Henley School of Business, University of Reading.



Catherine Beaudry holds a master's degree and PhD in economics from the University of Oxford. From her studies in electrical engineering specializing in spatial technology, she has retained a profound interest in technology, science and innovation. She is a full professor at the Department of Mathematics and Industrial Engineering and holds the Tier 1 Canada Research Chair in the Creation, Development and the Commercialization of Innovation (Innovation Chair) at Polytechnique Montréal, and leads the Partnership for the Organization of Innovation and New Technologies (4POINT0). She also serves on the Governing Council and Programs Committee of the Social Sciences and Humanities Research Council of Canada (SSHRC), and is a member of the Centre interuniversitaire de recherche sur la science et la technologie (interuniversity centre for research on science and technology – CIRST), a fellow of the Center for Interuniversity Research and Analysis of Organizations (CIRANO), an associate professor at the Université du Québec à Montréal (UQAM) and a founding member of the Global Young Academy. From 2015 to 2018, Catherine Beaudry led with Johann Mouton of the University of Stellenbosch, South Africa, a vast and comprehensive study on young scientists in Africa.



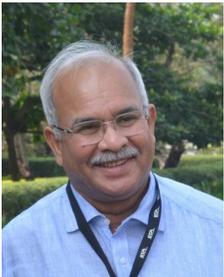
Normand Mousseau is Professor of physics at Université de Montréal and Scientific director of the Institut de l'énergie Trottier at Polytechnique Montréal. World-renowned researcher in the fields of complex materials and biophysics, he has been closely monitoring issues relating to energy and natural resources for more than a decade. He is the author of several books on the subject including "Au bout du pétrole, tout ce que vous devez savoir sur la crise énergétique" (2008) and "Gagner la guerre du climat. Douze mythes à déboulonner" released in 2017 at Éditions du Boréal. In 2013, he co-chaired the Commission on Energy Issues in Quebec. In 2017-2018, he led the project "The climate, the state and us", aimed at proposing environmental governance for Quebec, in collaboration with 22 Quebec academics. He is co-author of the IÉT Canada Energy Outlook series, the second edition of which appeared in the Fall of 2021. He is a founding member of the Transition Accelerator and he is a founding board member of the Canadian Institute for Climate Choice. From 2019 to 2021, he has co-led the Energy Modelling Initiative. He is also very involved in science-society communication. He intervenes regularly in the media on a wide range of topics. Between 2011 and 2017, he produced and hosted the weekly popular science radio show «La Grande Équation» at Radio Ville-Marie. His most recent book, « Pandémie, quand la raison tombe malade » was published by Éditions du Boréal in November 2020.



William Hsiao is a public health infectious disease researcher with a background in microbial genomics and bioinformatics. He is an associate professor in the Faculty of Health Sciences at Simon Fraser University and an affiliated researcher at BCCDC Public Health Laboratory and at Canada's Michael Smith Genome Sciences Centre. Will leads an interdisciplinary group of researchers interested in solving practical public health and animal health problems through a One Health lens at the Centre for Infectious Disease Genomics and One Health. Our team has developed several notable ontologies (GenEpiO.org and FoodOn.org) and ontology-driven tools to improve the extraction and re-use of biological data following FAIR principles. We current lead the COVID-19 Genomics Epidemiology Data harmonization effort in Canada as part of the Canadian COVID Genomics Network.



Brian King leads the Platform for Big Data in Agriculture, a global program of the CGIAR consortium centered on digital transformation of food systems worldwide. He has led programs leveraging successive waves of transformational digital technologies including establishing early internet networks and policies, building sustainable rural internet, licensing of mobile operators, governance of submarine cables and cross-border backbone networks, developing digital strategies for an array of clients, and building more inclusive mobile financial services, most of this in developing economies. He is a former agriculture extensionist and a California rice farmer. Skilled in Corporate Social Responsibility, International Relations, Management, Non-Governmental Organizations (NGOs), and Policy Analysis. Strong digital development professional graduated from University of Maryland - Robert H. Smith School of Business and University of California, Berkeley Department of Spanish and Portuguese.



Dr. Ranajit Bandyopadhyay is a principal scientist at the International Institute of Tropical Agriculture (IITA), Ibadan, Nigeria where he has been guiding research and development activities related to crop diseases and mycotoxins since 2002. During his 42 years of rich research and development experience with CGIAR in Asia, Africa, and the Americas, he fostered multi-institutional, multi-national, and multi-disciplinary partnerships in the North and the South. Ranajit has made several significant contributions in research, development, communication, education, and technology transfer to manage seemingly intractable disease problems in Africa, Australia and North and South America. He co-founded and leads the Africa-wide Aflasafe initiative on research, tech transfer, commercialization and scaling-up of the aflatoxin biocontrol technology in 20 African nations. Commercial partners manufacture and distribute products in eight countries where smallholder farmers have used them in nearly a million acres. Ranajit has authored nearly 175 peer-reviewed journal articles and book chapters. He is a Fellow of the American Phytopathological Society (APS) and has received several other awards from IITA and ICRISAT, APS, National Grain Sorghum Producers Board of North America, the African Union, and the World Mycotoxin Journal.



Nick Drager M.D. PhD, is TBVI's Executive Director. He is the former Director of the Department of Ethics, Equity, Trade and Human Rights and Senior Adviser, Strategy Unit, Office of the Director-General at the World Health Organization. Besides his current position at TBVI he is also Honorary Professor, Global Health Policy, London School of Hygiene & Tropical Medicine; Professor of Practice, Public Policy and Global Health Diplomacy, McGill University; Adjunct Professor, Department of Epidemiology and Community Medicine, University of Ottawa; Adjunct Research Professor, Norman Paterson School of International Affairs, Ottawa; and Senior Fellow, Global Health Programme, The Graduate Institute, Geneva. His work focuses on current and emerging global health issues in the areas of global health security/diplomacy/governance, foreign policy and international trade and health including intellectual property and health. He has extensive experience working with senior officials in over 100 countries and major multilateral and bilateral development agencies in health policy development, health sector analysis, strategic planning and resource mobilization and allocation decisions and in providing strategic advice on health development negotiations and in conflict resolution. He has an M.D. from McGill University and a Ph.D. in Economics from Hautes Etudes Internationales, (the Graduate Institute) University of Geneva.