

GENOMICS AT THE TIPPING POINT

Partnering to Accelerate
Market Uptake & Impact



Time	Description	Topics, Presenters & Panelists
8:30 – 9:00 am	REGISTRATION	
9:00 – 9:05 am	INTRO	Kathy Deuchars , Senior Manager, Sector Innovation & Programs, Health & Director, Ontario Personalized Medicine Network, Ontario Genomics
9:00 – 9:10 am	INTRO & WELCOME	Bettina Hamelin , President and CEO, Ontario Genomics
9:10 – 9:30 am	KEYNOTE SPEAKER	Genomics at the Tipping Point Elyse Allan , Former CEO GE Canada and Vice-President, GE
	SESSION 1: CRITICAL ELEMENTS & LESSONS LEARNED IN AGRICULTURE & AGRI-FOOD, BIOPROCESSING, MINING AND NATURAL RESOURCES	
9:30 – 9:45 am	› Partnered Presentation	Implementing genomics-informed tools for mining wastewater monitoring, management and treatment – a consortia approach Lesley Warren (University of Toronto) & Shirley Neault (HudBay Minerals)
9:45 – 10:00 am	› Partnered Presentation	Increasing yield in canola using genomic solutions Peter Pauls (University of Guelph), Mohammed Oufattole (Benson Hill) & Lomas Tulsieram (Saturn Agrosiences)
10:00 – 10:15 am	› Partnered Presentation	Implementing novel technologies to protect and increase market share Gisele LaPointe (University of Guelph) & Anand Singh (Parmalat Canada)
10:15 – 10:30 am	VIGNETTE	Biozone: Biological engineering from idea to commercialization Sean Caffrey (BioZone, University of Toronto)
10:30 – 10:45 am	Break	
10:45 – 11:30 am	PANEL DISCUSSION	Lessons Learned: Industry-Academic Collaborations Moderator: Nezar Rghei , VP, Strategic Partnerships and Resource Development, Ontario Genomics
11:30 – 11:45 am	VIGNETTE	Pathogenomics at the human-animal interface - Nurturing early adopters for early warning health surveillance technologies Samira Mubareka (Sunnybrook Health Sciences Centre)
11:45		Invitation to Lunch Alejandra de Almeida (Natural Sciences and Engineering Research Council of Canada)
11:45 – 12:45 pm	Lunch	Networking lunch sponsored by NSERC

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Ontario Genomics

12:45 – 12:50 pm	AFTERNOON INTRO	Bettina Hamelin, President and CEO, Ontario Genomics
	SESSION 2: ADVANCING HEALTH INNOVATIONS THROUGH PARTNERSHIPS BETWEEN ACADEMIA AND INDUSTRY	
12:50-12:55 pm	VIGNETTE	Red Tape Challenge: Improving regulations to better support businesses in Ontario <i>Giles Gherson, Deputy Minister of Red Tape & Regulatory Burden Reduction</i>
12:55-1:10 pm	› <i>Partnered Presentation</i>	Tackling antifungal resistance via an academic-industry partnership <i>Leah Cowen (University of Toronto) & Dominic Jaikaran (Bright Angel Therapeutics)</i>
1:10 – 1:25 pm	› <i>Partnered Presentation</i>	Advancing precision medicine for IBD patients <i>David Mack (Children’s Hospital of Eastern Ontario) & Thomas Cirrito (Biotagenics)</i>
1:25 – 1:40 pm	› <i>Partnered Presentation</i>	Mining the microbiome for novel human therapeutics <i>Michael Surette (McMaster University) & Andrew Haigh (Adapsyn Bioscience Inc.)</i>
1:40 – 2:20 pm	PANEL DISCUSSION	Lessons learned and critical elements in translation from lab to industry application <i>Moderators: Kevin Perry, Assistant Deputy Minister of Red Tape & Regulatory Burden Reduction; and Bettina Hamelin, President and CEO, Ontario Genomics</i>
2:20 – 2:40 pm	KEYNOTE SPEAKER	Strategies and benefits for adoption of clinical sequencing <i>Alex Robertson (Illumina)</i>
2:40 – 2:55 pm	Break	
2:55 – 3:10 pm	VIGNETTE	PROFYLE and KiCS: An eye to the future of pediatric precision oncology <i>David Malkin (The Hospital for Sick Children)</i>
	SESSION 3: ADVANCING HEALTH INNOVATIONS THROUGH PARTNERSHIPS BETWEEN ACADEMIA AND HEALTH AGENCIES	
3:10 – 3:25 pm	› <i>Presentation plus Q&A</i>	Using integrated omics and deep targeted sequencing as novel diagnostic approaches in cancer <i>John Bartlett (Ontario Institute for Cancer Research)</i>
3:25 – 3:40 pm	› <i>Presentation plus Q&A</i>	Health technology assessment for funding genomic technologies: expectations for evidence <i>Wendy Ungar (The Hospital for Sick Children, Health Quality Ontario Genetics Advisory Committee)</i>
3:40 – 3:55 pm	› <i>Presentation plus Q&A</i>	Partnerships and collaborations towards enabling precision decisions in childhood arthritis <i>Rae Yeung (The Hospital for Sick Children)</i>
3:55 – 4:05 pm	› VIGNETTE	Partnering to accelerate adoption of cancer care innovation in Ontario <i>Nicole Mittmann (Cancer Care Ontario)</i>
4:05 – 4:45 pm	› PANEL DISCUSSION	Lessons learned and critical elements in translation from lab to clinic <i>Moderator: Nicole Mittmann, Chief Research Officer, Cancer Care Ontario</i>
4:45 – 5:00 pm	CLOSING REMARKS	Bettina Hamelin, President and CEO, Ontario Genomics
5:00 – 6:00 pm	NETWORKING RECEPTION - SPONSORED BY ILLUMINA	