



Conference Program

Tuesday, March 6, 2018 MaRS Discovery District, Toronto, ON, Canada	
7:30	Continental Breakfast and Registration
8:30	Opening Remarks Mona Nemer, Chief Science Advisor of Canada
8:40	Introduction Marc LePage, President and CEO, Genome Canada
8:45	Keynote: Engineering Biology in the Era of Genomics Hear from industry leader Bill Peck on how Engineering Biology is revolutionizing everything from data storage to our health. Bill Peck, CTO and Co-Founder, Twist Bioscience
9:05	Panel: AI and Computation Meet Synthetic Biology Learn how AI and digital technologies are converging with biology to discover new drugs, model disease, and bring design to biology. <i>Panelists include:</i> Alison Paprica, VP Health Strategy and Partnerships, Vector Institute (Moderator) Brenda Andrews, Donnelly Centre Director, University of Toronto Nathan Magarvey, Founder and CSO, Adapsyn Ratmir Derda, University of Alberta/CEO, 48 Hour Discovery (Presentation-7)
9:45	Coffee Break
10:15	Keynote: Building a Successful Synthetic Biology Ecosystem Gain insights based on the UK's experience in building a leading synthetic biology ecosystem and how Canada can apply lessons. Stephen Chambers, CEO, SynbiCITE (UK) (Presentation-08)
10:35	Panel: Reducing our Carbon Footprint with Synthetic Biology

	<p>See how synthetic biology is being applied to reduce emissions and create affordable biofuels and renewable materials today.</p> <p><i>Panelists include:</i></p> <p>Catalina Lopez-Correa, CSO & VP Sectors, Genome BC (Moderator)</p> <p>Rasmus Jensen, Sr. Scientist, LanzaTech</p> <p>Cathy Hass, Sr. Scientist, BioAmber (Presentation-11)</p> <p>Murray McLaughlin, Advisor, Bioindustrial Innovation Canada (Presentation-12)</p> <p>David Bressler, Professor/BCN Director, University of Alberta/Forge Hydrocarbons (Presentation-13)</p> <p>Steven Hallam, University of British Columbia, ECOSCOPE Director (Presentation-14)</p>
11:25	<p>Panel: Human Health – From Gene Editing to Stem Cells</p> <p>Learn how synthetic biology is tackling human health challenges, from CRISPR and treating cancer, to better stem cell treatments and new diagnostics.</p> <p><i>Panelists include:</i></p> <p>Molly Shoichet, Ontario’s Chief Scientist (Moderator)</p> <p>Peter Zandstra, University of British Columbia/CSO, Centre for Commercialization of Regenerative Medicine</p> <p>Krishna Mahadevan, University of Toronto</p> <p>Rob Holt, University of British Columbia</p>
12:05	<p>Writing DNA. Advances in synthetic biology construction from genes to genomes</p> <p>Adam Clore, Technical Director of Synthetic Biology, Integrated DNA Technologies</p>
12:15 – 1:30	Lunch (sponsored by Integrated DNA Technologies)
1:30	<p>Panel: Writing Genomes</p> <p>Learn about the global initiative to design and print whole genomes and how Canada could be involved.</p> <p><i>Panelists include:</i></p> <p>BF Francis Ouellette, CSO/VP of Scientific Affairs, Genome Quebec (Moderator)</p> <p>Vincent Martin, Concordia University</p> <p>Leslie Mitchell, NYU (Presentation-22)</p> <p>Bogumil Karas, Western University (Presentation-21)</p> <p>Vardit Ravitsky, Université de Montréal (Presentation-23)</p>
2:10	<p>Panel: VC Investor Showcase</p> <p>Hear from world-leading investors on why synthetic biology is a part of their investment strategies.</p> <p><i>Panelists include:</i></p> <p>Joško Bobanović, Sofinnova Partners (Moderator)</p> <p>Ken Nickerson, OMERS Ventures</p> <p>Jean-François Pariseau, BDC Venture Capital</p> <p>Sean O’Sullivan, SOSV</p>

	Andreas Jurgeit, M Ventures Jenny Rooke, Genoa Ventures
2:50	Coffee Break
3:20	<p>Panel: Food Biotech 2.0 and Learning from GMOs</p> <p>Learn from the commercialization of the AquAdvantage Salmon and the non-browning Arctic Apple, and the importance of consumer engagement and trust.</p> <p><i>Panelists include:</i></p> <p>Jun Axup, Scientific Director and Partner, Indie Bio (Moderator)</p> <p>Ian Affleck, VP of Plant Biotechnology, CropLife Canada (Presentation-32)</p> <p>Neal Carter, President and Founder, Okanagan Specialty Fruits (Presentation-33)</p> <p>David Conley, Director of Communications, AquaBounty Technologies (Presentation-35)</p> <p>Jennifer Kuzma, Fulbright Visiting Research Chair in Science and Society, ISSP, University of Ottawa (Presentation-34)</p>
4:00	<p>Lightning Talks: SynBio Start-Ups</p> <p>Enjoy a flash pitch from some of Canada's upcoming biotech success stories.</p> <p><i>Panelists include:</i></p> <p>Anita Ludwar, Business Analyst, Genome Alberta (Moderator)</p> <p>Hans-Joachim Wieden, SynBridge</p> <p>David Lloyd, CEO, FREDsense</p> <p>Pratish Gawand, CEO, Ardra Bio (Presentation-39)</p> <p>Justin Pahara, CSO, Amino Labs</p> <p>Bogumil Karas, CEO, Designer Microbes (Presentation-41)</p> <p>Kevin Chen, CEO, Hyasynth Bio (Presentation-42)</p> <p>Leo Wan, CEO, Ranomics</p>
4:50	<p>Wrap-Up and Closing Remarks</p> <p>Bettina Hamelin, President and CEO, Ontario Genomics</p>
5:00	Networking Reception- Autodesk Community Space, MaRS Discovery District

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