



## 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: <b>Engineering Biology in the Era of Genomics</b> 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: <b>AI and Computation Meet Synthetic Biology</b> 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
9:45	Coffee Break
10:15	Keynote: <b>Building a Successful Synthetic Biology Ecosystem</b> 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)
10:35	Panel: <b>Reducing our Carbon Footprint with Synthetic Biology</b> See how synthetic biology is being applied to reduce emissions and create affordable biofuels and renewable materials today.

	<p><i>Panelists include:</i></p> <p>Catalina Lopez-Correa, CSO &amp; VP Sectors, Genome BC (Moderator)  Rasmus Jensen, Sr. Scientist, LanzaTech  Cathy Hass, Sr. Scientist, BioAmber  Murray McLaughlin, Advisor, Bioindustrial Innovation Canada  David Bressler, Professor/BCN Director, University of Alberta/Forge Hydrocarbons  Steven Hallam, University of British Columbia, ECOSCOPE Director</p>
11:25	<p>Panel: <b>Human Health – From Gene Editing to Stem Cells</b>  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)  Peter Zandstra, University of British Columbia/CSO, Centre for Commercialization of Regenerative Medicine  Krishna Mahadevan, University of Toronto  Rob Holt, University of British Columbia</p>
12:05	<p><b>Writing DNA. Advances in synthetic biology construction from genes to genomes</b></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: <b>Writing Genomes</b>  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)  Vincent Martin, Concordia University  Leslie Mitchell, NYU  Bogumil Karas, Western University  Vardit Ravitsky, Université de Montréal</p>
2:10	<p>Panel: <b>VC Investor Showcase</b>  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)  Ken Nickerson, OMERS Ventures  Jean-François Pariseau, BDC Venture Capital  Sean O’Sullivan, SOSV  Andreas Jurgeit, M Ventures  Jenny Rooke, Genoa Ventures</p>
2:50	Coffee Break

3:20	<p>Panel: <b>Food Biotech 2.0 and Learning from GMOs</b></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</p> <p>Neal Carter, President and Founder, Okanagan Specialty Fruits</p> <p>David Conley, Director of Communications, AquaBounty Technologies</p> <p>Jennifer Kuzma, Fulbright Visiting Research Chair in Science and Society, ISSP, University of Ottawa</p>
4:00	<p>Lightning Talks: <b>SynBio Start-Ups</b></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</p> <p>Justin Pahara, CSO, Amino Labs</p> <p>Bogumil Karas, CEO, Designer Microbes</p> <p>Kevin Chen, CEO, Hyasynth Bio</p> <p>Leo Wan, CEO, Ranomics</p>
4:50	<p>Wrap-Up and Closing Remarks</p> <p><a href="#">Bettina Hamelin, President and CEO, Ontario Genomics</a></p>
5:00	<p>Networking Reception- Autodesk Community Space, MaRS Discovery District</p>

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