



## Conference Program

**Tuesday, March 6, 2018**  
**MaRS Discovery District, Toronto, ON, Canada**

7:30	Continental Breakfast and Registration
8:00	Opening Remarks Mona Nemer, Chief Science Advisor of Canada
8:10	Introduction Marc LePage, President and CEO, Genome Canada
8:15	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
8:35	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
9:25	Coffee Break
9:55	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)
10:30	Panel: <b>Reducing our Carbon Footprint with Synthetic Biology</b>

	<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> <ul style="list-style-type: none"> <li>Rasmus Jensen, Sr. Scientist, LanzaTech</li> <li>Cathy Hass, Sr. Scientist, BioAmber</li> <li>Murray McLaughlin, Advisor, Bioindustrial Innovation Canada</li> <li>David Bressler, Professor/BCN Director, University of Alberta/Forge Hydrocarbons</li> <li>Steven Hallam, University of British Columbia, ECOSCOPE Director</li> </ul>
11:20	<p>Panel: <b>Human Health – From Gene Editing to Stem Cells</b></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> <ul style="list-style-type: none"> <li>Peter Zandstra, University of British Columbia/CSO, Centre for Commercialization of Regenerative Medicine</li> <li>Krishna Mahadevan, University of Toronto</li> <li>Rob Holt, University of British Columbia</li> </ul>
12:10 – 1:10 PM	Lunch
1:10	<p>Panel: <b>Writing Genomes</b></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> <ul style="list-style-type: none"> <li>Vincent Martin, Concordia University</li> </ul>
1:50	<p>Panel: <b>VC Investor Showcase</b></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> <ul style="list-style-type: none"> <li>Joško Bobanović, Sofinnova Partners</li> <li>Ken Nickerson, OMERS Ventures</li> <li>Jean-François Pariseau, BDC Venture Capital</li> <li>Sean O'Sullivan, SOSV</li> <li>Andreas Jurgeit, M Ventures</li> <li>Jenny Rooke, Genoa Ventures</li> </ul>
2:30	Coffee Break
3:00	<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> <ul style="list-style-type: none"> <li>Ian Affleck, Executive Director, Plant Biotechnology, CropLife Canada</li> <li>Neal Carter, President and Founder, Okanagan Specialty Fruits</li> </ul>

	David Conley, Director of Communications, AquaBounty Technologies
3:50	<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>Hans-Joachim Wieden, SynBridge  David Lloyd, CEO, FREDsense  Pratish Gawand, CEO, Ardra Bio  Justin Pahara, CSO, Amino Labs  Bogumil Karas, CEO, Designer Microbes  Kevin Chen, CEO, Hyasynth Bio  Leo Wan, CEO, Ranomics</p>
4:40	<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

## Partners



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