

Programme – Launch Event, Day 1

Industry Showcase

Wednesday 6th April 2016 | Lecture Theatre, Medical Teaching Centre

	08:45	Registration - Day 1
Session 1	09:30	<p>Welcome & Opening Remarks <i>John McCarthy, Professor of Molecular Systems Biology, University of Warwick; Director WISB</i></p>
	09:40	<p>UK Synthetic Biology - from Roadmap to Strategic Plan <i>Lionel Clarke, Co-Chair UK Synthetic Biology Leadership Council</i></p>
	10:10	<p>Using Synthetic Genes and Machine Learning to Build Better Biology <i>Claes Gustafsson, Co-Founder and Chief Commercial Officer, DNA2.0 Inc.</i></p>
	10:35	<p>Clostridial strain development: new strains, new products, (new headache) <i>Liz Jenkinson, Senior Molecular Biologist; Lead, Strain Development Group, Green Biologics Ltd.</i></p>
	11:00	Tea, Coffee & Refreshments
Session 2	11:25	<p>The Energy Challenge and Synbio <i>Jeremy Shears, Global Manager - Biodomain, Shell Research Ltd.</i></p>
	11:50	<p>Specialist Brewing for the 21st Century <i>Harald Heider, Senior Research Scientist, Evolva</i></p>
	12:15	<p>Understanding and Programming Biological Computation <i>Boyan Yordanov, Computational Science Laboratory, Microsoft Research</i></p>
	12:40	<p>ThermoFisher Scientific – Synthetic Biology <i>Chady Jaber, ThermoFisher Scientific</i></p>
	13:05	Lunch & Tours of WISB Research Technology Facility
Session 3	14:00	<p>SynBio Tools to More Predictably Produce Target Proteins and Optimize Metabolic Pathways <i>Ian Fotheringham, Managing Director, Ingenza Ltd.</i></p>
	14:25	<p>The Ginkgo foundry: engineering biology to scale <i>Brynne Stanton, Biological Engineer, Ginkgo BioWorks</i></p>
	14:50	<p>RetroSynthesis for Metabolic Engineering and Synthetic Biology <i>Jean-Loup Faulon, Director of Research, French National Institute for Agricultural Research</i></p>
	15:15	Tea, Coffee & Refreshments
Session 4	15:40	<p>New Technologies for Agriculture <i>Jason Vincent, Head, Synthetic Biology, Syngenta</i></p>
	16:05	<p>Research Impact - Collaboration and Enterprise <i>Quentin Compton-Bishop, Chief Executive Officer, Warwick Ventures</i></p>
	16:30	<p>Day 1 Closing Remarks <i>John McCarthy</i></p>
	19:00	Conference Dinner - The Courtyard Room, Scarman Conference Centre

Programme – Launch Event, Day 2

Academic Symposium – Morning Sessions

Thursday 7th April 2016 | Lecture Theatre, Medical Teaching Centre

	08:30	Registration (Day 2)
Session 1 (Sponsored by m2p-labs)	09:00	Welcome and Overview of WISB <i>John McCarthy, Professor of Molecular Systems Biology, University of Warwick; Director WISB</i>
	09:25	Complex Natural Products from Synthetic Biology <i>Vincent Martin, Professor and Canada Research Chair in Microbial Genomics and Engineering; Co-Director Centre for Applied Synthetic Biology, Concordia University</i>
	10:05	Engineering genomes with the help of alpha-rhizobia <i>Anke Becker, Head of Dept. for Comparative Genomics; Vice Director of the LOEWE-Center for Synthetic Microbiology (SYNMIKRO); Professor of Microbiology, Philipps-University Marburg</i>
	10:30	Tools for Predictive BioSystems Engineering <i>Declan Bates, Professor of Bioengineering, University of Warwick; Co-Director & Lead Theme 1 Research, WISB; Co-Director (Warwick), SynBio Centre for Doctoral Training (CDT)</i>
	10:55	Harnessing plant metabolic diversity <i>Anne Osbourn, Director, Norwich Research Park Industrial Biotechnology and Bioenergy Alliance; Professor & Group Leader, John Innes Centre</i>
	11:20	Tea, Coffee & Refreshments
Session 2	11:45	How bacteria remodel the flagellar motor to keep swimming <i>Judith Armitage, Professor of Molecular and Cellular Biochemistry; Director, Oxford Centre for Integrative Systems Biology, University of Oxford</i>
	12:25	Towards heterologous expression of refactored biosynthetic pathways <i>Greg Challis, Professor of Chemical Biology, University of Warwick; Lead Research Theme 2, WISB</i>
	12:50	What gene expression noise tells us about the cell inside <i>Victor de Lorenzo, Professor of Research, Systems Biology Program, Centro Nacional de Biotecnologia</i>
	13:25	Lunch, Tours of WISB Research Technology Facility and Poster Viewing

Programme – WISB Launch Event

Academic Symposium – Afternoon Sessions

	13:25	Lunch, Tours of WISB Research Technology Facility and Poster Viewing
Session 3 (Sponsored by Andor)	14:15	Engineering Biological Systems Ron Weiss, Professor of Biological Engineering, Massachusetts Institute of Technology
	14:55	Engineering microbial effector systems in plants Vardis Ntoukakis, Assistant Professor, Royal Society Research Fellow, University of Warwick; Research Theme 4 Lead, WISB
	15:20	What could 'Responsible Research and Innovation' mean for Synthetic Biology? Nick Lee, Associate Professor, Centre for Education Studies, University of Warwick; ELSA Research Lead, WISB; Director of Research, Centre for Education Research
	15:45	Naturally-Inspired Engineering of Biological Systems Ahmad Khalil, Assistant Professor, Dept. of Biomedical Engineering, Boston University; Associate Director, Biological Design Center
	16:10	Break & Poster Viewing
Session 4	16:45	Synthetic signaling circuits based on multisite phosphorylation Mart Loog, Professor of Molecular Systems Biology, University of Tartu; Director Tartu Synthetic Biology Centre
	17:10	Synthetic microbial communities for understanding and application Orkun Soyer, Professor of Evolutionary Systems and Synthetic Biology, University of Warwick; Co-Director & Research Theme 3 Lead, WISB; Co-Director (Warwick), SynBio CDT
	17:35	Visions, plans and public imaginaries for synthetic biology Britt Wray, Department of Media, Cognition and Communication, University of Copenhagen, Denmark
	18:00	Closing Remarks – John McCarthy
	18:10	Additional Poster Viewing

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