

Hybrid Conference Programme

Start (GMT)	Finish (GMT)	Presenter details
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Monday 21 October 2024

12:00	12:55	Registration, lunch and networking
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12:40		<i>Briefing for Keynote & Session 1 speakers, microphone runners, chair, moderator & committee - Auditorium</i>
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12:55	13:10	Welcome
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Wellcome Connecting Science:
Nagehan Ramazanoglu Bahadir, Wellcome Connecting Science, UK

Scientific Programme Committee:
[Yasunori Aizawa, Tokyo Institute of Technology, Japan](#)
[Sonja Billerbeck, University of Groningen, Netherlands](#)
[Tom Ellis, Imperial College London, UK](#)
[Katie Galloway, Massachusetts Institute of Technology, USA](#)

13:10	14:10	Keynote I
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Chair: Katie Galloway, Massachusetts Institute of Technology
Moderator: TBC

Synthetic biology: making biology programmable
[Jim Collins, Massachusetts Institute of Technology, USA](#)

14:10	14:15	Comfort break
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14:15	15:45	Session 1: Approaches for cell engineering
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Chair: Sonja Billerbeck, University of Groningen, Netherlands
Moderator: TBC

14:15	14:45	Synthetic biology approaches for targeted cancer therapy Barbara Di Ventura, University of Freiburg, Germany
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14:45	15:15	Yeast metabolic engineering for sustainable chemical production Ji-Sook Hahm, Seoul National University, South Korea
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15:15	15:30	Selected from abstracts <i>Short talk speaker</i>
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15:30	15:45	Selected from abstracts <i>Short talk speaker</i>
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15:45	16:30	Refreshment break and networking
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16:15		<i>Briefing for Session 2 speakers, chair & moderator - Auditorium</i>
16:30	18:00	Session 2: Living materials
		<i>Chair: Tom Ellis, Imperial College London, UK</i>
		<i>Moderator: TBC</i>
16:30	17:00	Title TBC <i>Wilfried Weber, Leibniz Institute for New Materials, Germany</i>
17:00	17:30	Living Materials Programmed by Life <i>Chao Zhong, Shenzhen Institute of Synthetic Biology, China</i>
17:30	17:45	Selected from abstracts <i>Short talk speaker</i>
17:45	18:00	Selected from abstracts <i>Short talk speaker</i>
18:00	18:40	Poster pitch talks for odd number posters
18:40	19:40	Poster session 1 - odd number posters
19:35	21:00	Dinner
		Bar open (card payments only)

Tuesday 22 October 2024

09:15 Briefing for Session 3 speakers, chair & moderator - Auditorium

09:30 10:45 Session 3: Systems and genomics

*Chair: Yasunori Aizawa, Tokyo Institute of Technology, Japan
Moderator: TBC*

09:30 10:00 Large scale genome engineering in *Saccharomyces cerevisiae*
[Pascale Daran-Lapujade, TU Delft, Netherlands](#)

10:00 10:15 Selected from abstracts
Short talk speaker

10:15 10:30 Selected from abstracts
Short talk speaker

10:30 10:45 Selected from abstracts
Short talk speaker

10:45 11:30 Refreshment break and networking

11:15 Briefing for Session 4 speakers, chair & moderator - Auditorium

11:30 13:00 Session 4: Applications in health

*Chair: Katie Galloway, Massachusetts Institute of Technology
Moderator: TBC*

11:30 12:00 Probing and programming multicellular systems for regenerative medicine
[Nika Shakiba, University of British Columbia, Canada](#)

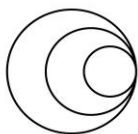
12:00 12:30 A microbial platform for discovery and manufacturing of plant-inspired human therapeutics
[Michael Krogh Jensen, Technical University of Denmark/Biomia, Denmark](#)

12:30 12:45 Selected from abstracts
Short talk speaker

12:45 13:00 Selected from abstracts
Short talk speaker

13:00 13:45 Lunch

13:45 14:30 Dessert with networking



14:15		<i>Briefing for Session 5 speakers, microphone runners, chair & moderator - Auditorium</i>
14:30	16:00	Session 5: Towards sustainability
		<i>Chair: Sonja Billerbeck, University of Groningen, Netherlands</i> <i>Moderator: TBC</i>
14:30	15:00	Teaching E. coli to fix CO2 Ron Milo, Weizmann Institute, Israel
15:00	15:30	Towards a bio-enabled circular economy for metals Louise Horsfall, Edinburgh University, UK
15:30	15:45	Selected from abstracts <i>Short talk speaker</i>
15:45	16:00	Selected from abstracts <i>Short talk speaker</i>
16:00	16:45	Refreshment break and networking
16:30		<i>Briefing for Session 6 speakers, chair & moderator - Auditorium</i>
16:45	17:45	Keynote II
		<i>Chair: Tom Ellis, Imperial College London, UK</i> <i>Moderator: TBC</i>
		Harnessing plant metabolic diversity for food and health applications Anne Osbourn, John Innes Centre, UK
17:45	18:25	Poster pitch talks for even number posters
18:25	18:40	Sponsored talk tbc
18:40		Poster session 2 - even number posters
19:40		Dinner
		Bar open (card payments only)

Wednesday 23 October 2024

09:15		<i>Briefing for Session 6 speakers, chair & moderator - Auditorium</i>
09:30	11:00	Session 6: Microbiome engineering
		<i>Chair: Sonja Billerbeck, University of Groningen, Netherlands</i> <i>Moderator: TBC</i>
09:30	10:00	Cutibacterium acnes as a synthetic biology chassis for skin modulation Marc Guell, Pompeu Fabra University, Spain
10:00	10:30	Decoding the interaction networks driving microbiomes for precision medicine, sustainable agriculture and bioprocessing Orphelia Venturelli, University of Wisconsin-Madison, USA
10:30	10:45	Selected from abstracts <i>Short talk speaker</i>
10:45	11:00	Selected from abstracts <i>Short talk speaker</i>
11:00	11:45	Refreshment break and networking
11:30		<i>Briefing for Keynote speaker, Scientific Programme Committee, Chair and Moderator - Auditorium</i>
11:45	12:45	Keynote III
		<i>Chair: Yasunori Aizawa, Tokyo Institute of Technology, Japan</i> <i>Moderator: TBC</i>
		Scaling up genome engineering in yeast and mammals Jef Boeke, New York University, USA
12:45	13:00	Closing remarks and prize presentation
		Scientific Programme Committee: Yasunori Aizawa, Tokyo Institute of Technology, Japan Sonja Billerbeck, University of Groningen, Netherlands Tom Ellis, Imperial College London, UK Katie Galloway, Massachusetts Institute of Technology, USA
13:00	13:50	Lunch and departures
13:50		Coach departures for Stansted and Heathrow airports
14:00		Coach departures for Cambridge train station and city centre