

Hybrid Conference Programme

Start (GMT)	Finish (GMT)	Presenter details
Monday 21 October 2024		
12:00	12:55	Registration, lunch and networking
12:40		<i>Briefing for Keynote & Session 1 speakers, microphone runners, chair, moderator & committee - Auditorium</i>
12:55	13:10	Welcome
		<p>Wellcome Connecting Science: Nagehan Ramazanoglu Bahadir, Wellcome Connecting Science, UK</p> <p>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</p>
13:10	14:10	Keynote I
		<p><i>Chair: Katie Galloway, Massachusetts Institute of Technology</i> <i>Moderator: TBC</i></p> <p>Synthetic biology: making biology programmable Jim Collins, Massachusetts Institute of Technology, USA</p>
14:10	14:15	Comfort break
14:15	15:45	Session 1: Approaches for cell engineering
		<p><i>Chair: Sonja Billerbeck, University of Groningen, Netherlands</i> <i>Moderator: TBC</i></p>
14:15	14:45	Synthetic biology approaches for targeted cancer therapy Barbara Di Ventura, University of Freiburg, Germany
14:45	15:15	Yeast metabolic engineering for sustainable chemical production Ji-Sook Hahm, Seoul National University, South Korea
15:15	15:30	Selected from abstracts <i>Short talk speaker</i>
15:30	15:45	Selected from abstracts <i>Short talk speaker</i>
15:45	16:30	Refreshment break and networking

16:15 Briefing for Session 2 speakers, chair & moderator - Auditorium

16:30 18:00 Session 2: Living materials

Chair: Tom Ellis, Imperial College London, UK

Moderator: TBC

16:30 17:00 Programming cells and materials with light
[*Wilfried Weber, Leibniz Institute for New Materials, Germany*](#)

17:00 17:30 Living Materials Programmed by Life
[*Chao Zhong, Shenzhen Institute of Synthetic Biology, China*](#)

17:30 17:45 Selected from abstracts
Short talk speaker

17:45 18:00 Selected from abstracts
Short talk speaker

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 Briefing for Session 5 speakers, microphone runners, chair & moderator - Auditorium

14:30 16:00 Session 5: Towards sustainability

Chair: Sonja Billerbeck, University of Groningen, Netherlands

Moderator: TBC

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

Short talk speaker

15:45 16:00 Selected from abstracts

Short talk speaker

16:00 16:45 Refreshment break and networking

16:30 Briefing for Session 6 speakers, chair & moderator - Auditorium

16:45 17:45 Keynote II

Chair: Tom Ellis, Imperial College London, UK

Moderator: TBC

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 Briefing for Session 6 speakers, chair & moderator - Auditorium

09:30 11:00 Session 6: Microbiome engineering

*Chair: Sonja Billerbeck, University of Groningen, Netherlands
Moderator: TBC*

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
Short talk speaker

10:45 11:00 Selected from abstracts
Short talk speaker

11:00 11:45 Refreshment break and networking

11:30 Briefing for Keynote speaker, Scientific Programme Committee, Chair and Moderator - Auditorium

11:45 12:45 Keynote III

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

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