

**Hybrid Conference Programme**

Start (GMT)	Finish (GMT)	Presenter details
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**Monday 13 March 2023**

**12:00 13:00 Registration, lunch and networking**

12:45 Briefing for Keynote & Session 1 speakers, chair, moderator & committee - Auditorium

**13:00 13:10 Welcome**

**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 1**

Chair: Tom Ellis, Imperial College London, UK

Moderator: TBC

13:10 14:10 Engineering Next-Generation T Cells for Cancer Immunotherapy  
[Yvonne Chen, University of California, Los Angeles, USA](#)

**14:10 15:40 Session 1: Cells Engineered as Therapies**

Chair: Tom Ellis, Imperial College London, UK

Moderator: TBC

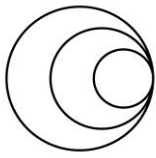
14:10 14:40 Targeted engineering of human gut microbiome  
[Lei Dai, SIAT, Chinese Academy of Sciences, China](#)

14:40 15:10 Synthetic biology in biomedicine: towards the design of improved T cell therapies  
[Velia Siciliano, Istituto Italiano de Tecnologia, Italy](#)

15:10 15:25 Selected from abstracts  
Short talk speaker

15:25 15:40 Selected from abstracts  
Short talk speaker

15:40 16:25 Refreshment break



16:10 Briefing for Session 2 speakers, chair & moderator - Auditorium

**16:25 17:55 Session 2: SocioTechnological readiness and entrepreneurship**

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

*Moderator: TBC*

16:25 16:55 Synthetic Biology at Social Scales: Navigating the Policy  
[Megan Palmer, Stanford University, USA](#)

16:55 17:25 Standardisation in Synthetic Biology: squaring the circle?  
[Manuel Porcar, Universidad de Valencia, Spain](#)

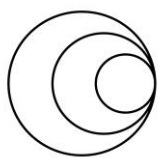
17:25 17:40 Selected from abstracts  
*Short talk speaker*

17:40 17:55 Selected from abstracts  
*Short talk speaker*

**17:55 18:35 Poster Pitch for virtual posters**

18:35 Dinner

18:35 Bar open (card payments only)



**Tuesday 14 March 2023**

07:30 09:30 Breakfast

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

**09:30 11:00 Session 3: Engineering Gene Regulation**

*Chair: Katie Galloway, Massachusetts Institute of Technology, USA*

*Moderator: TBC*

09:30 10:00 Host-aware construct design in mammalian cells.

[\*Francesca Ceroni, Imperial College London, UK\*](#)

10:00 10:30 Teaching cells to perform new therapeutic functions

[\*Mo Khalil, Boston University, 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 Poster Pitch for onsite posters**

11:45 13:45 Lunch with posters

13:30 Briefing for Session 4 speakers, chair & moderator - Auditorium

**13:45 15:15 Session 4: Infectious Disease and Biosensing**

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

*Moderator: TBC*

13:45 14:15 Engineering sustainable resources for CRISPR-based diagnostics

[\*Chayasith Uttamapinant, VISTEC, Thailand\*](#)

14:15 14:45 Targeting fungal diseases using the secreted yeast toxicome

[\*Sonja Billerbeck, University of Groningen, Netherlands\*](#)

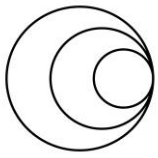
14:45 15:00 Selected from abstracts

*Short talk speaker*

15:00 15:15 Selected from abstracts

*Short talk speaker*

15:15 16:00 Refreshment break



15:45 Briefing for Session 5 speakers, chair & moderator - Auditorium

**16:00 17:30 Session 5: Designing Synthetic Biomolecules**

*Chair: Katie Galloway, Massachusetts Institute of Technology, USA*

*Moderator: TBC*

16:00 16:30 Build to understand -- the Secret Life of Feedback Circuits  
[\*Hana El-Samad, University of California San Francisco, USA\*](#)

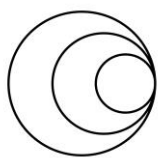
16:30 17:00 Engineered mammalian synthetic biology towards therapy  
[\*Roman Jerala, Kemijski Institute, Slovenia\*](#)

17:00 17:15 Selected from abstracts  
*Short talk speaker*

17:15 17:30 Selected from abstracts  
*Short talk speaker*

17:30 Dinner

17:30 Bar open (card payments only)



**Wednesday 15 March 2023**

07:30 09:30 Breakfast

09:15 Briefing for Session 6 speakers, chair & moderator

**09:30 11:00 Session 6: Synthetic Genomes, Cells and Multicellularity**

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

*Moderator: TBC*

09:30 10:00 Sub-megabase and biallelic genome writing technology creates multi-functional human iPS cells

[Yasunori Aizawa, Tokyo Institute of Technology, Japan](#)

10:00 10:30 Limb regeneration as a paradigm for synthetic approaches

[Elly Tanaka, Research Institute of Molecular Pathology, Austria](#)

10:30 10:45 Selected from abstracts

*Short talk speaker*

10:45 11:00 Short talk selected from abstracts

*Short talk speaker*

11:00 11:45 Refreshment break

11:30 Briefing for Keynote, chair, moderator & committee

**11:45 12:45 Keynote 2**

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

*Moderator: TBC*

11:45 12:45 Reprogramming the Genetic Code

[Jason Chin, University of Cambridge, UK](#)

**12:45 13:00 Closing remarks and prize presentation**

**Scientific Programme Committee:**

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[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