

Looking Ahead to the Human Genome Editing Summit – The Science

7 March 2022 1.40 – 4.00pm UK GMT

Speakers

- Yujia Cai, Shanghai JiaoTong University
- Amander Clark, University of California, Los Angeles
- Jennifer Doudna, University of California, Berkeley
- Julian Gillmore, University College London
- Chair: Robin Lovell-Badge, The Francis Crick Institute

Agenda

- 1:40 – 1:45 Introduction from Robin Lovell-Badge on event series and the scientific barriers to securing the benefits of genome editing.
- 1:45 – 2:45 Pre-recorded presentations
 - Jennifer Doudna - Introduction to the science and recent developments in genome editing technologies
 - Julian Gillmore - Nanoparticle-mediated delivery of editing constructs for in-vivo editing
 - Yujia Cai – Viral vectors for in vivo genome editing
 - Amander Clark - Developments in producing edited gametes
- 2:45 – 3:55 Discussion with Q&A
- 3:55 – 4:00pm
 - Closing remarks from Robin Lovell-Badge

Looking Ahead to the Human Genome Editing Summit – The Equity & Access

8 March 2022 2.00 – 4.00pm UK GMT

Speakers

- Tania Bubela, Simon Fraser University
- Arafa Salim Said, Sickle Cell Disease Patients Community of Tanzania
- Adrian Towse, UK Office of Health Economics
- Ambroise Wonkam, Johns Hopkins University School of Medicine
- Chairs: Javier Guzman, Center for Global Development & Chris McCabe, Institute of Health Economics

Agenda

- 2.00 – 2.05 Introduction from Robin Lovell-Badge. Javier Guzman to provide introductory remarks on access issues related to weak health systems in low resource settings.
- 2.05 – 2.35 Presentations
 - Arafa Salim Said – Health system barriers preventing access to new gene editing technologies in low resource settings: a patient's perspective
 - Presentation from Ambroise Wonkam - Health system barriers preventing access to new gene editing technologies in low resource settings: a patient's perspective: a clinician's perspective
- 2.35 – 3.00 Discussion with Q&A

- 3.00 – 3.05 Chris McCabe to provide introductory remarks on ways to address price as a barrier to access.
- 3.05 – 3.35 Presentations
 - Adrian Towse - Approaches to reducing costs within the current research and development paradigm
 - Tania Bubela - Approaches to equity and access that go beyond the current paradigm
- 3.35 – 3.55 Discussion with Q&A
- 3.55 – 4.00 Closing remarks from Chris McCabe and Robin Lovell-Badge

Looking Ahead to the Human Genome Editing Summit – The Governance

9 March 2022 2.00 – 5.00pm UK GMT

Pre-recorded presentations (available to watch online beforehand):

1. Andy Greenfield – Governance recommendations from the International Commission on the Clinical Use of Germline Genome Editing report.
2. Alena Buyx – Governance recommendations from the WHO Expert Advisory Committee on Developing Global Standards for Governance and Oversight of Human Genome Editing report.

Speakers

- Daima Bukini, Muhimbili University of Health and Allied Sciences
- Alena Buyx, German Ethics Council & Technical University of Munich
- Andy Greenfield, University of Oxford
- Katie Hasson, Center for Genetics and Society
- Katherine Littler, World Health Organization
- Laurence Lwoff, Council of Europe
- Piers Millett, iGEM Foundation, Biosecure & University of Oxford
- Leigh Turner, University of California, Irvine
- Chairs: Françoise Baylis, Dalhousie University & Alta Charo, University of Wisconsin-Madison

Agenda

- 2.00 – 2.05 Introduction from Robin Lovell-Badge. Françoise Baylis to provide introductory remarks on current regulatory frameworks.
- 2.05 – 2.35 Presentations
 - Piers Millett - Current regulation in case study countries of somatic genome editing
 - Katie Hasson – Current regulation of germline genome editing
- 2.35 – 3.55 Discussion with Q&A

- 2.55 – 3.00 Alta Charo to provide introductory remarks on recent reports and regulation recommendations
- 3.00 – 3.20 Presentations
 - Laurence Lwoff - Scope of multinational organisations to enact reports recommendations
 - Katherine Littler - How WHO would hope to operationalise certain report recommendations
- 3.20 – 3.55 Discussion with Q&A

- 3.55 – 4.00 Alta Charo to introduce examples of whistleblowing and medical tourism as current regulatory challenges.

- 4.00 – 4.10 Presentation
 - Leigh Turner - Medical tourism in relation to stem cell and genome editing
- 4.10 – 4.50 Discussion with Q&A
- 4.50 – 5.00 Closing remarks from Françoise Baylis and Robin Lovell-Badge