

INTERNATIONAL COMMISSION ON THE CLINICAL USE OF HUMAN GERMLINE GENOME EDITING

Second Meeting
14 November: The National Gallery
15 November: The Royal Society
London, United Kingdom

Agenda

14 November – The National Gallery

- 9:00 AM **Registration**
- 9:20 AM **Welcome and Introductions** - Commission co-chairs and John Skehel (Royal Society, UK)
- 9:30 AM **Session 1: Perspectives on the Commission's task**
(Organised in collaboration with the InterAcademy Partnership)
Speakers will provide perspectives on human germline genome editing, and discuss issues raised by the Commission's call for evidence and the work of the Commission
- Chair:
- Rick Lifton (The Rockefeller University, USA)
- Speakers:
- Sonia Abdelhak (Institut Pasteur de Tunis, Tunisia)
 - Fabiana Arzuaga (Ministry of Science, Technology and Productive Innovation, Argentina)
 - Muntaser Ibrahim (University of Khartoum, Sudan)
 - Jackie Leach Scully (Newcastle University, UK)
 - Adam Pearson (Actor, presenter and campaigner, UK)
- 11:00 AM Break
- 11:15 AM **Session 2: Alternative Reproductive Technologies**
Speakers will discuss alternatives to germline genome editing, including in vitro fertilisation with preimplantation genetic diagnosis. Topics will include: how applicable these technologies are to certain inheritable diseases, their success rates, if and how they could be improved, how accessible they are internationally, how accepted they are by different cultures, and other issues
- Chair:
- Julie Steffann (Hôpital Necker – Enfants Malades)
- Speakers:
- Peter Braude (Kings College London, UK)
 - Frances Flinter (Kings College London, UK)
 - Catherine Racowsky (Brigham and Woman's Hospital, USA)
- 12:45 Lunch

- 13:30 **Session 3: The Future of Germline Genome Editing**
 Speakers will discuss the technologies that might enable the clinical use of germline genome editing, including making and validating edits in embryos and germ cells, and what we can learn from animal models
- Chair:
- Helen O'Neill (University College London, UK)
- Confirmed speakers:
- Kathy Niakan (Francis Crick Institute, UK)
 - Hui Yang (Chinese Academy of Sciences Institute of Neuroscience, China)
 - Pierre Jouannet (Paris Descartes University, France)
 - Azim Surani (University of Cambridge, UK)
- 15:15 Break
- 15:30 **Session 4: Governance**
(Developed in consultation with two members of the World Health Organisation Committee on Developing Global Standards for Governance and Oversight of Human Genome Editing)
 Speakers will discuss issues associated with scientific integrity and oversight, such as how someone could raise concerns about research or clinical practices and how to prevent risk havens for germline editing
- Chair:
- Bartha Maria Knoppers (McGill University, Canada)
- Confirmed speakers:
- Annelien Bredenoord (University Medical Centre Utrecht, Netherlands)
 - Melissa Goldstein (George Washington University, USA)
 - James Lawford Davies (Hill Dickinson, UK)
- 17:15 PM **End of Day 1**

15 November – The Royal Society

- 8:20 AM **Registration**
- 8:40 AM **Reflections on Day 1 and Introduction to Day 2** - Commission Co-chairs
- 8:45 AM **Session 5: Risk-Benefit Analysis in Relation to Rights of Future People and Long Term Follow Up**
 Speakers will discuss how the rights of future people have been considered and established in other medical and non-medical scenarios, and how consenting to any necessary or preferred long term follow up on behalf of future generations could be established
- Chair:
- Robert Califf (Duke University, USA)
- Confirmed speakers:
- Christina Bergh (University of Gothenburg, Sweden)

- Sarah Chan (University of Edinburgh, UK)
- Susan Golombok (University of Cambridge, UK)

10:15 AM Break

10:30 AM **Session 6: Components of a Potential Translational Pathway**
Speakers will discuss key questions and elements of a potential translational pathway presented by the Commission

Chair:

- Kay Davies (University of Oxford, UK)

Confirmed speakers:

- Peter Thompson (Human Fertilisation and Embryology Authority, UK)
- Peter Braude (Kings College London, UK)
- Richard Ashcroft (City University of London, UK)
- Nick Meade (Genetic Alliance UK, UK)

12:00 PM **Public comment period**

12:15 PM **Closing Remarks for the Workshop and Adjourn**