



JRC-ICGEB JOINT WORKSHOP
GENOME EDITING AND RELATED TECHNOLOGIES: SCIENTIFIC AND REGULATORY
CONSIDERATIONS

TRIESTE, 30 NOVEMBER – 1 DECEMBER 2016

Agenda (draft)

30 November 2016

13:30-14:00 Participants arrival and registration

14:00-14:30 Welcome and opening remarks
(Guy Van den Eede, JRC; Mauro Giacca, ICGEB)

Setting the scene: background, format & aim of the workshop
(Guy Van den Eede)

14:30-16:00 *Session 1: The technology involved: limits, possibilities and future developments*

Confirmed speakers

Luisa Bortesi (*Institute of Molecular Biotechnology, RWTH Aachen University*)

Title: The diversity of genomic changes induced by site-specific nucleases: lessons learned from plants

Marko Djordjevic (*Institute of Physiology & Biochemistry, University of Belgrade*)

Title: CRISPR/Cas: from bacterial immune system to new biotechnology applications

Ben Davies (*Wellcome Trust Centre for Human Genetics, University of Oxford*)

Title: Use of CRISPR/Cas9 technology to understand human genetic mutation and variation

16:00-16:30 coffee break

16:30-18:00 *Session 2: Present and future innovations and their potential impact on society (health, agriculture, industry ...)*

Confirmed speakers

Wolfgang Wurst (*Institute of Developmental Genetics - GmbH*)

Title: Crispr/Cas9 technology: Universal tool for genome manipulation

Patrick Rudelsheim (*PERSEUS bvba, Belgium*)

Title: Genome editing: (r)evolution in agriculture and industrial biotechnology impacting society

Sivaramjani Thambisetty (*London School of Economics and Political Science*)

Title: Genome-editing and related applications: what sort of regulatory competences can we expect from the patent system?

18:00 End of day 1

20:00 DINNER

1 December 2016

9:00-10:30 *Session 3: Cultural and ethical concerns*

Confirmed speakers

Laurence Lwoff (*Head of Bioethics Unit, Human Rights Directorate, Council of Europe*)

Title: Ethical concerns and relevant legal principles at European level

Catherine Rhodes (*Centre for the Study of Existential Risk, University of Cambridge*)

Title: International governance of genome-editing: why creating new regulation may be the wrong thing to do

Christiane Druml (*UNESCO chair of Bioethics, Vienna*)

Title: Genome editing – status quo in Austria

10:30-11:00 coffee break

11:00-12:30 *Session 4: Possible role of the regulator*

Confirmed speakers

Nevena Alexandrova (*FAO - Agricultural innovation systems and Knowledge sharing - Regional Office for Europe and Central Asia*)

Title: Governance challenges

H.-Christoph von Heydebrand (*Federal Ministry of Food and Agriculture, DE*)

Title: Legal Classification of New Plant Breeding Techniques (NPBT)

Serena Zacchigna (*ICGEB*)

Title: Identifying legal principles on genetic modification of plants, animals, humans and embryos

12:30-13:45 LUNCH BREAK

13:45-14:15 *Guided visit to ICGEB laboratories*

14:15-15:15 *Round table (contribution on regional & national context)*

15:15-15:45 coffee break

15:45-17:30 *Session 5: Conclusions and recommendations*

Expected Outcome based on following points:

- *Anticipation of the technology landscape and the associated expected innovations;*
- *Directory of possible hazards associated with the application of the technology;*
- *Evaluation of the ethical concerns;*
- *Catalogue of policy options;*

17:30 End of Workshop