New genome editing technologies for medicine and agriculture – implications for society

SYMPOSIUM 13 OCTOBER | ONLINE AND ONSITE AT LUND UNIVERSITY

Genome-editing techniques have sparked a revolution in biological and medical research, as they allow precise, user-defined modification of the genomes of almost any plant or animal. This symposium will present scientific breakthroughs and their implications for research and the public. In the end, this will help us understand how this technology may change our society.

PROGRAM

9.00-10.10
Prof. Karin Broberg, Lund University
Introduction to CRISPR
Dr. Jochen Kumlehn, IPK Leibniz Institut, Germany
Genome editing in plants – CRISPR in cereals.
Prof. Johan Jakobsson, Lund University
Towards widespread somatic gene editing in the human brain

10.30 – 12.00
Senior Researcher Michael Morrison, University of Oxford, UK
Legal and regulatory issues attending somatic medical uses of CRISPR
Dr. Nick Meade, Policy at Genetic Alliance, UK
Patients’ view on genome editing
Debate

13.00 – 14.40
Plenary lecture: Prof. David Liu, Harvard University, USA
Base Editing and Prime Editing: Genome Editing Without Double-Strand Breaks
Dr. Mariette Andersson, Swedish Agricultural University
Future CRISPR-potatoes, improved properties for our health and the environment
Prof. Christine Hauskeller, University of Exeter, UK
On the ethics of heritable genome editing

15.00 – 17.00
Prof. Dirk Heickl, Universität Halle-Wittenberg, Germany
CRISPR for gene editing of hematopoietic cells
Dr. Sigrid Bratlie, Norwegian Biotechnology Council, Norway
The public opinion of genome editing – results from a survey in Norway
PhD. Ingrid Dunér, Lund University
Transhumanism and genome editing
Debate

ABOUT THE SYMPOSIUM

13 October 2020, 09.00 – 17.00. Online and in the main lecture hall, Dept. of Biology, Lund University, Sölvegatan 35, Lund.
The symposium is organised by the Pufendorf IAS Theme CRISPRideas.
For programme and registration visit www.pi.lu.se/en/