Pufendorf IAS

INSTITUTE FOR ADVANCED STUDIES

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, Leibniz Institute IPK , Germany
Cas endonuclease technology 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, Director of Policy, Genetic Alliance, UK
Patients' view on genome editing

Debate

13.00 –13.50

Plenary lecture: Prof. David Liu, Harvard University, USA
Base Editing and Prime Editing: Genome Editing Without Double-Strand Breaks

14.00-15.00

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

15.20– 17.00

Prof. Dirk Heckl, Universität Halle-Wittenberg, Germany
CRISPR for gene editing of hematopoietic cells

Dr. Sigrid Bratlie, the GENEinnovate research consortium, Norway
CRISPR-food: disrupting public opinion and politics

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/