

AGRICULTURAL BIOTECHNOLOGY:

Risk/Safety Assessment, Impact Assessment and Importance for a Bio-Based Economy



Venue: Palais Salfeldt, Quedlinburg

Wednesday, 22.06.2016

08:00-09:00 Registration

09:00-10:00 Welcome and Laudation

10' Welcome and Opening by JKI President Dr. Georg F. Backhaus

15' Greeting by Federal Ministry of Food and Agriculture, Dr. Klaus Heider

15' Greeting by JKI Academic Advisory Council, Prof. Dr. Wolfgang Friedt

20' Laudation by JKI President Dr. Georg F. Backhaus

10:00-10:30 Coffee break

Session 1: Crop Genetic Improvement Technologies

Chair: Frank Hartung, JKI

10:30-11:00 Crop Genetic Improvement Technologies: an overview

Frank Hartung, Julius Kühn Institute (JKI), Quedlinburg, Germany

11:00-11:30 Double-strand break induced genome engineering in plants

Holger Puchta, Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany

11:30-12:00 RNAi for improving crop plant resistance to biotic stressors

Patrick Schweizer, Leibniz Institute of Plant Genetics and Crop Plant Research (IPK), Gatersleben, Germany

12:00-12:30 Design your own genome: How to advance breeding using novel genetic tools and tricks

Erik Wijnker, University of Hamburg, Hamburg, Germany


12:30-13:00 Bioinformatics for plant biotechnology

Jens Keilwagen, Julius Kühn Institute (JKI), Quedlinburg, Germany

13:00-14:00 Lunch break

AGRICULTURAL BIOTECHNOLOGY:

Risk/Safety Assessment, Impact Assessment and Importance for a Bio-Based Economy



Quedlinburg (Germany), 22-24 June 2016

Session 2: Plants as production platform

Chair: Lilya Kopertekh, JKI

- 14:00-14:30 Natural rubber from Russian dandelion
Dirk Prüfer, University of Münster, Münster, Germany
- 14:30-15:00 The adventure of cultivating Dandelion
Katja Thiele, Julius Kühn Institute (JKI), Quedlinburg, Germany
- 15:00-15:30 Taming plastids for biotechnology
Ralph Bock, Max Planck Institute of Molecular Plant Physiology (MPIMP),
Golm, Germany
- 15:30-16:00 Molecular pharming, an emerging technology success story
Julian Ma, St George's, University of London, London, UK
- 16:00-16:30 Coffee break

Session 3: Risk/Safety and impact assessment (1)

Chair: Joachim Schiemann, JKI

- 16:30-17:00 Risk/safety assessment in an international context
Boet Glandorf, National Institute of Public Health and the Environment (RIVM),
Bilthoven, The Netherlands
- 17:00-17:30 Food & feed safety assessment: advances and challenges
Pablo Steinberg, University of Veterinary Medicine Hannover, Foundation
(TiHo), Hannover, Germany
- 17:30-18:00 Environmental risk assessment: advances and challenges
Jörg Romeis, Agroscope, Institute for Sustainability Sciences ISS, Zürich,
Switzerland
- 19:00 Dinner

AGRICULTURAL BIOTECHNOLOGY:

Risk/Safety Assessment, Impact Assessment and Importance for a Bio-Based Economy



Thursday, 23.06.2016

Session 3: Risk/Safety and impact assessment (2)

Chair: Joachim Schiemann, JKI

- 08:30-09:00 Evidence synthesis: the review process
Andrew Pullin, Bangor University, Bangor, UK
- 09:00-09:30 Evidence synthesis: environment
Jeremy Sweet, Sweet Environmental Consultants (SEC), Cambridge, UK
- 09:30-10:00 Evidence synthesis: food & feed safety
Gijs Kleter, RIKILT-Institute of Food Safety (RIKILT), Wageningen, The Netherlands
- 10:00-10:30 CADIMA: an on-line tool supporting the evidence synthesis process
Christian Kohl, Julius Kühn Institute (JKI), Quedlinburg, Germany
- 10:30-11:00 Coffee break
- 11:00-11:30 Biosafety regulation – a scientific challenge
Ralf Wilhelm, Julius Kühn Institute (JKI), Quedlinburg, Germany

Session 4: Social implications

Chair: Ralf Wilhelm, JKI

- 11:30-12:00 How can plant scientists help to address societal challenges and engage with policy and society?
Karin Metzlauff, European Plant Science Organization (EPSO), Brussels, Belgium
- 12:00-12:30 Considering what we are trying to achieve through advances in Crop Genetic Improvement Technologies and implications for societal acceptance
Rene Van Acker, University of Guelph, Guelph, Canada
- 12:30-13:30 Lunch break

AGRICULTURAL BIOTECHNOLOGY:

Risk/Safety Assessment, Impact Assessment and Importance for a Bio-Based Economy



Quedlinburg (Germany), 22-24 June 2016

- 13:30-14:00 Responsible Research and Innovation
Erich Griessler, Institute for Advanced Studies, Vienna, Austria
- 14:00-14:30 Moving towards Open Science and Upstream Public Engagement – experiences from GMO risk research
Armin Spök, Alpen-Adria Universität Klagenfurt | Wien-Graz, Austria
- 14:30-15:00 Humanizing science to build trust and advance innovation
Eric Sachs, Monsanto, St. Louis, USA
- 15:00-15:30 Regulation and risk assessment: back to the future IV
Piet van der Meer, Ghent University, Free University of Brussels, Belgium
- 15:30-16:00 Coffee Break
- 16:00-17:30 **Round Table: A paradigm shift in the interpretation: technology-based or trait/product-based risk assessment and regulation of Crop Genetic Improvement Technologies – or both?**
Moderation: Joachim Schiemann, Julius Kühn Institute (JKI), Quedlinburg, Germany
Participants:
Rene Van Acker, University of Guelph, Guelph, Canada
Piet van der Meer, Ghent University, Free University of Brussels, Belgium
Justus Wesseler, Wageningen University, Wageningen, The Netherlands
Elisabeth Waigmann, European Food Safety Authority (EFSA), Parma, Italy
Boet Glandorf, National Institute of Public Health and the Environment (RIVM), Bilthoven, The Netherlands
- 17:30-17:45 Fare well
Joachim Schiemann, Julius Kühn Institute (JKI), Quedlinburg, Germany
- 18.00 - Excursions

Friday, 24.06.2016

Excursions