



Transgenic Plants for Food Security in the Context of Development



Proceedings of a Study Week of the Pontifical Academy of Sciences

Ingo Potrykus and Klaus Ammann (eds)

New Biotechnology

Vol. 27, Issue 5, November 2010

Elsevier

Scripta Varia 113

ISSN 1871-6784

Editorial (PDF)

Werner Arber

Constraints to biotechnology introduction for poverty alleviation (PDF)

Ingo Potrykus

Food insecurity, hunger and malnutrition: necessary policy and technology changes (PDF)

Joachim von Braun

Achieving food security in times of crisis (PDF)

M.S. Swaminathan

The past, present and future of crop genetic modification (PDF)

Nina V. Fedoroff

Lessons from the 'Humanitarian Golden Rice' project: regulation prevents development of public good genetically engineered crop products (PDF)

Ingo Potrykus

Transgenic crops coping with water scarcity (PDF)

Eleonora Cominelli and Chiara Tonelli

Golden Rice and 'Golden' crops for human nutrition (PDF)

Peter Beyer

Inactivation of allergens and toxins (PDF)

Piero Morandini

Modifying agricultural crops for improved nutrition (PDF)

Martina Newell McGloughlin

Knowledge and technologies for sustainable intensification of food production (PDF)

Richard Flavell

Genetic engineering compared to natural genetic variations (PDF)

Werner Arber

Needs for and environmental risks from transgenic crops in the developing world (PDF)

Jonathan Gressel

Does the use of transgenic plants diminish or promote biodiversity? (PDF)
Peter H. Raven

Food safety risks and consumer health (PDF)
Bruce M. Chassy

Genetically modified myths and realities (PDF)
Wayne Parrott

Benefits of genetically modified crops for the poor: household income, nutrition, and health (PDF)
Matin Qaim

Economic impacts of policies affecting crop biotechnology and trade (PDF)
Kym Anderson

Support for international agricultural research: current status and future challenges (PDF)
Robert S Zeigler and Samarendu Mohanty

Intellectual property, commercial needs and humanitarian benefits: must there be a conflict? (PDF)
Anatole Krattiger

The private sector's role in public sector genetically engineered crop projects (PDF)
Ingo Potrykus

Ethical arguments relevant to the use of GM crops (PDF)
Albert Weale

Experience from use of GMOs in Argentinian agriculture, economy and environment (PDF)
Moisés Burachik

Do Russia and Eastern Europe need GM plants? (PDF)
Konstantin Skryabin

First generation biofuels compete (PDF)
Marshall A. Martin

GMO foods and crops: Africa's choice (PDF)
Robert Paarlberg

Epistemic brokerage in the bio-property narrative: contributions to explaining opposition to transgenic technologies in agriculture (PDF)
Ronald J. Herring

Trade and commerce in improved crops and food: an essay on food security (PDF)
Drew L. Kershen

The regulation of agricultural biotechnology: science shows a better way (PDF)
Henry I. Miller

The costly benefits of opposing agricultural biotechnology (PDF)
Andrew Apel

Challenges and responsibilities for public sector scientists (PDF)
Marc Van Montagu

Transgenic Plants for Food Security in the Context of Development - Statement of the participants of the Study Week at the Pontifical Academy of Sciences