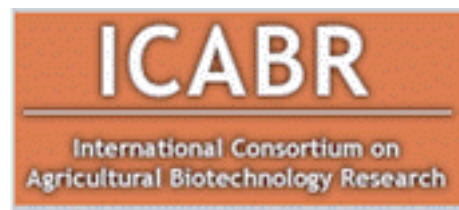




biotechnology in developing countries

University of California, Berkeley
Alumni House | Jan. 23-24, 2009

Presented By:



Berkeley Water Center





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Friday, January 23, 2009

- 8:00am** Breakfast Reception
- 8:30am** **Introduction**
Keith Gilliss, Dean of Natural Resources, UC Berkeley
- 8:45am** **Political Economy of Biotechnology: Implications for Developing Countries**
- The Gene Revolution in Developing Countries* - Carl Pray, Rutgers University
- Starved for Science: How Biotechnology Is Being Kept Out of Africa* - Rob Paarlberg, Wellesley College
- How E.U. Resistance to Biotechnology Has Hurt the Developing World* - David Zilberman, UC Berkeley, and Greg Graff, Colorado State University
- 10:15am** Break (with refreshments)
- 10:30am** **Biotechnology Experiences in India and China**
- Data as Social Product: Whose Numbers on India's Bt Cotton Count?* - Ron Herring, Cornell University
- National Laws, Provincial Enforcement: Biosafety, Intellectual Property Rights and Seed Price Controls in India* - Bharat Ramaswami, Indian Statistical Institute, and Carl Pray, Rutgers University
- Will High Food Prices Induce the Chinese Government to Approve GMO for Food Production?* - Scott Rozelle, Stanford University, Jikun Huang, Center for Chinese Agricultural Policy, and Carl Pray, Rutgers University
- 12:00pm** **Roundtable Discussion - Moderated by Justus Wesseler, Wageningen University, Greg Traxler, Bill and Melinda Gates Foundation, and Pasquale Lucio Scandizzo, University of Rome "Tor Vergata"**



Friday, January 23, 2009

12:30pm Break (light lunch provided)

Responding to Water Shortages: Can Irrigation, Drought-Tolerant Crops, or Institutional Changes Bring the Green Revolution to Africa and Poor Parts of Asia?

1:30pm *Drought-Tolerant Maize for Africa* - Augustine Langyintuo, CIMMYT

Water-Efficient Maize for Africa - Ranjana Smetacek, Water Efficient Maize for Africa Project

Private Sector Maize Breeding and Drought-Tolerance for Africa and Asia - Peter Freymark, Pioneer Hi-Bred International, Inc.

2:45pm Break (with refreshments)

3:00pm **Economic Lessons on What to Expect from Drought-Tolerant Varieties?**

Production Variability and Adoption of New Technology: An Economic Framework
- Brian Wright, UC Berkeley

Will the Poor Value Seed Traits that Reduce Risk? Bt in India and Drought-Tolerance in Morocco - Travis Lybbert, UC Davis

The Adoption of Water and Irrigation Technologies - David Sunding, UC Berkeley, and David Zilberman, UC Berkeley

Risk Aversion and Adoption of Bt Cotton in China - Elaine Liu, University of Houston

5:15pm **Roundtable Discussion Moderated by Lawrence Kent, Bill and Melinda Gates Foundation**

With George Frisvold, University of Arizona (Lessons from Bt Cotton in Arizona), Guanming Shi, University of Wisconsin (GM Trait Bundling in the U.S.), and Wally Huffman, Iowa State University (Risk, Biotech, and Enhanced Productivity).

6:00pm Adjourn



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Saturday, January 24, 2009

8:00am Breakfast Reception

WORKSHOP: Quantifying the Potential Impact of Stress-Tolerant Varieties

8:30pm **Empirical Methods for Evaluating the Impact of Stress-Tolerant Traits on Adoption of New Varieties and Use of Fertilizer and Other Inputs**

Empirical Approaches for Assessing Adoption and Diffusion Processes - David Zilberman, UC Berkeley

Economic Experiments to Assess the Impact of Fertilizer Advice, Bt Cotton and Drought-Tolerant Rice in Southern China - Luping Li, Center for Chinese Agricultural Policy

Ex-ante Assessment of Drought-Tolerant Crops Under Uncertainty: A Farm Household-Based CAPM - Justus Wesseler, Wageningen University

Crop Modeling of Maize and Other Crops in Sub-Saharan Africa - Jawoo Koo, International Food Policy Research Institute

Preliminary Ex-Ante Evaluation of Breeding for DTM in sub-Saharan Africa - Genti Kostandini, University of Georgia, Roberto LaRovere, CIMMYT, John Dixon, CIMMYT, and Brad Mills, Virginia Polytechnic University

10:30am Break (with refreshments)

10:45am **Assessing the Impact of Drought-Tolerant Maize and Rice**

Water-Efficient Maize for Africa - Tim Dalton, Kansas State University

Drought-Tolerant Maize for Africa - Augustine Langyintuo, CIMMYT

Assessing Drought-Tolerant Rice for S. India - Latha Nagarajan, Rutgers University

Drought-Tolerant Rice in Thailand - Orachos Napisintuwong, Kasetsart University

Drought-Tolerant Rice in North India - Ramesh Sharan, University of Ranchi

12:00am **Discussion and Closing Remarks**
David Zilberman, UC Berkeley

12:30pm Adjourn

1:30pm **International Consortium for Agricultural Biotechnology Research Board Meeting**
(By invitation only)