



**12th World Congress of the
International Association for Plant Biotechnology (IAPB)
and the
2010 In Vitro Biology Meeting of the Society for In Vitro Biology (SIVB)
America's Center, 701 Convention Plaza, St. Louis, MO**

Monday, June 7

Sessions in red underline below are SIVB IVACS sessions

- 7:30-8:30 a.m. **Registration** (and throughout Congress)
- 8:00-8:30 a.m. **Poster Viewing and Vendor Show**
- 8:30-9:30 a.m. **Opening Ceremony**
Roger N. Beachy, USDA, USA
 "Opening Remarks"
The Honorable Francis Slay, Mayor of St. Louis
 "Welcome"
Indra K. Vasil, University of Florida-Gainesville, USA
 "Philip R. White - A Tribute"
- 9:30-10:30 a.m. **Plenary Lecture I**
Michael MacCracken, Climate Institute, USA
 "The emerging impacts of climate change"
- 10:30-11:00 a.m. **Morning Break**
- 11:00 a.m.-12:00 p.m. **Plenary Lecture II (sponsored by BIO)**
Robert Paarlberg, Wellesley College, USA
 "How agricultural biotechnology is being kept out of Africa"
- 12:00-1:00 p.m. **Lunch in Ballroom**
Poster Viewing
Vendor Show

1:00-3:00 p.m.

Concurrent Symposia

Abiotic Stress I

Jian-Kang Zhu, University of California, USA

(sponsored by Monsanto)

*“Improving plant salt and drought stress tolerance:
Opportunities and challenges”*

Jacqueline Heard, Monsanto Company, USA

(sponsored by BASF - The Chemical Company)

*“Applying genomics to agricultural productivity and
sustainability”*

Gene Expression/Stacking I

James Birchler, University of Missouri-Columbia, USA

“Engineered minichromosomes via telomere truncation”

Photosynthetic Efficiency

Julian Hibberd, University of Cambridge, U.K.

(sponsored by Monsanto)

“Using C4 photosynthesis to increase yield of C3 crops”

Robert Blankenship, Washington University at St. Louis, USA

*“What limits the efficiency of photosynthetic energy storage and
how might the efficiency of plants be improved?”*

Renewables from Plants I

Sarah O'Connor, Massachusetts Institute of Technology, USA

*“Reprogramming alkaloid biosynthesis in Madagascar
periwinkle”*

Signal Transduction, Genomics, Metabolomics I

Pamela Green, University of Delaware, USA

“Genomic analysis of small RNAs, target RNAs, and RNA decay”

Dario Cantu, University of California-Davis, USA

*“What have we learned from the positional cloning of genes
conferring partial resistance to wheat rusts?”*

In Vitro Approaches to Ensure Plant Biodiversity

Eric Bunn, Kings Park and Botanic Garden, Western Australia

*“Conservation biotechnology research for saving endangered
flora in a region of high biodiversity (southwest Western
Australia)”*

Valerie Pence, Cincinnati Zoo and Botanical Garden, CREW, USA

*“In vitro methods for ex situ conservation: Possibilities and
challenges”*

3:00-3:30 p.m.

Afternoon Break

3:30-5:30 p.m.

Concurrent Symposia (continued)

Gene Expression/Stacking II

Daphne Preuss, Chromatin, Inc., USA

“Gene stacking technologies and energy crops”

Ethics, Economics, Social Benefits

Anthony Shelton, Cornell University, USA

“Sustainable and environmentally enhanced pest management through plant biotechnology”

Matin Qaim, Georg-August-University of Göttingen, Germany

“Economic and social impacts of genetically modified crops in developing countries”

Renewables from Plants II

Scott Deeter, Ventria Bioscience, USA

“Dawn of a new era: Plants as factories solving global challenges”

Elibio Rech, EMBRAPA, Brazil

“BASF and EMBRAPA genetically modified soybean at commercialization stage”

and

“Recombinant proteins in soybean seeds under control of legumes storage proteins regulatory sequences”

Cryopreservation for Germplasm Preservation

Florent Engelmann, IRD, France

“Cryopreservation for plant biodiversity conservation”

M. N. Normah, Universiti Kebangsaan, Malaysia

“Tropical fruit germplasm preservation: Issues and Perspectives”

Animal-Plant Interactions

Gary Felton, Pennsylvania State University, USA

“Dialogues at the plant-insect interface”

Gianni Vandenborre, Ghent University, Belgium

“Inducible plant lectins as defense proteins against pest insects”

5:30-7:00 p.m.

**Poster Viewing (all)
Vendor Show**

7:00-9:00 p.m.
contact

Workshop Openings (if you are interested in hosting a workshop, please
iapb2010@missouri.edu for information)

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