



**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

Tuesday, June 8

Sessions in red underline below are SIVB IVACS sessions

- 7:30-8:30 a.m. **Registration** (and throughout Congress)
Poster Viewing
Vendor Show
- 8:30-9:30 a.m. **Plenary Lecture III**
Jay Keasling, University of California-Berkeley, USA
*"Engineering microorganisms with plant-derived genes to produce
drugs and fuels"*
- 9:30-10:30 a.m. **Plenary Lecture IV**
TBA
- 10:30-11:00 a.m. **Morning Break**
- 11:00 a.m-12:00 p.m. **Plenary Lecture V**
Calestous Juma, Harvard University, USA
*"Biotechnology, sustainability and society: Sources of resistance
to new technologies"*
- 12:00-1:00 p.m. **Lunch in Ballroom**
Poster Viewing
Vendor Show
- 1:00-3:00 p.m. **Concurrent Symposia**
(speaker opportunities available for some sessions)
- Renewables from Plants III**
Eliot Herman, Donald Danforth Plant Science Center, USA
- Abiotic Stress III**
Michael Thomashow, Michigan State University, USA

1:00-3:00 p.m.

Concurrent Symposia (continued)
(speaker opportunities available for some sessions)

Insect Resistance and Management I

Michael Adang, University of Georgia, USA

Signal Transduction, Genomics, Metabolomics III

Xuemin Sam Wang, DDPSC and University of MO-St. Louis, USA

“Lipid signaling: Connecting stress and nutrient sensing to growth responses”

Nutrient Uptake and Utilization I

Stephan Clemens, Bayreuth University, Germany

“Learning from extremes: Mechanisms of Zn accumulation in plants”

Challenges in Acclimatizing and Rooting *In Vitro* Propagated Plants

Robert Geneve, University of Kentucky, USA

Advanced Dynamic 3D *In Vitro* Systems

Addy Alt-Holland, Tufts University, USA

“Bioengineered Caco-2 tissues: Novel in vivo-like three-dimensional tissue platforms for drug absorption screening”

Elliot L. Elson, Washington University School of Medicine, USA

Shuichi Takayama, University of Michigan, USA

3:00-3:30 p.m.

Afternoon Break

3:30-5:30 p.m.

Concurrent Symposia
(speaker opportunities available for some sessions)

Renewables from Plants IV

Kristi Snell, Metabolix, Inc., USA

Abiotic Stress IV

Yafan Huang, Performance Plants, Canada

“Advancement in genetic engineering of drought and heat stress tolerance for crop yield protection”

Ajay Parida, M. S. Swaminathan Research Foundation, India

Insect Resistance and Management II

Usha Barwale Zehr, Maharashtra Hybrid Seeds Co., Ltd., India

“Developing transgenic crops for South Asian markets and their impact on agriculture”

Signal Transduction, Genomics, Metabolomics IV

Oliver Fiehn, University of California-Davis, USA

*“Plant metabolomics: Systemic response to nutrient deprivation in *C. reinhardtii*”*

3:30-5:30 p.m.

Concurrent Symposia continued
(speaker opportunities available for some sessions)

Nutrient Uptake and Utilization II

David Salt, Purdue University, USA

“Genetic dissection of the Arabidopsis thaliana ionome”

Factors Influencing the Culture of Recalcitrant Species

Paula Pijut, Purdue University, USA

**The Use of Stems Cells in Regenerative Medicine and
In Vitro Toxicology**

Thaddeus Stappenbeck, M.D., Wash. Univ. School of Med., USA

“The regeneration of intestinal stem cells after injury”

Kyle J. Hewitt, Tufts University, USA

“3-D epithelial tissues generated from human embryonic stem cells”

Patrick McNutt, USAMRICD, USA

“Development and application of embryonic stem cell-derived neurons for botulinum neurotoxin research”

5:30-6:30 p.m.

IAPB Council Meeting

5:30-7:00 p.m.

**Poster Viewing (even)
Vendor Show**

7:00-9:00 p.m.

Workshops

Water Quality for Greenhouse Research

Steve Millett, Hummert International

**If you are interested in hosting a workshop,
please** (contact iapb2010@missouri.edu for more information)

--- END OF DAY ---

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