



**12<sup>th</sup> 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**

Sessions in **red underline** are SIVB IVACS sessions

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**Sunday, June 6**

**7:00 a.m.-2:00 p.m.** SIVB Board of Directors Meeting

**3:00-4:00 p.m.** SIVB 2010 Program Committee Meeting

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**Monday, June 7**

**7:30-9:00 a.m.** SIVB Plant Biotechnology Program Committee Meeting

**10:15-11:15 a.m.** SIVB/IAPB/Springer Business Meeting (*Tentative*)

**12:00-2:00 p.m.** IAPB Executive Committee Working Lunch

**7:00-8:15 p.m.** SIVB Business Meeting

**SIVB Lifetime Achievement and Fellow Awards**

The Society for In Vitro Biology will be honoring their 2010 Lifetime Achievement Awardees: Donald E. Ingber, MD, PhD; Wilf A. Keller, PhD; and Peggy G. Lemaux, PhD during the meeting for their years of exemplary research, achievements, and pioneering contributions to the field of cell culture. The Society will also be recognizing their 2010 Fellow Award Recipients: Dennis J. Gray, PhD, and Wayne A. Parrott, PhD, SIVB members who have made outstanding contributions to in vitro science research, teaching or administration.

Other awards to be presented during the Business Meeting include Distinguished Service Award and Student Awards.

**8:15-9:00 p.m.** SIVB Plant Biotechnology Section Business Meeting

**8:15-9:00 p.m.** **SIVB In Vitro Animal Cell Sciences Section Business Meeting**

**9:00-11:00 p.m.** SIVB Sections' Social

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**Tuesday, June 8**

**7:30-8:30 a.m.** SIVB Publications Committee Meeting

**8:30-9:15 a.m.** [SIVB In Vitro Animal Cell Sciences Student Oral Presentation Competition](#)

Moderator: Lia H. Campbell

**8:00 - 8:15 a.m.**

S. Richelle Monaghan, University of Waterloo, Canada

*“The opportunities of the microsporidian Anncaliia algerae: In vitro they seem unlimited”*

**8:15 - 8:30 a.m.**

Cordula Bartel, Vetmeduni Vienna, Austria

*“Influence of steroid hormones on canine endometrial cells in a three dimensional in vitro system”*

**8:30 - 8:45 a.m.**

Iram Rehman, Quaid-E-Azam University, Pakistan

*“Harvest and culture of plucked human hair follicle cells in vitro”*

**8:45 - 9:00 a.m.**

Judges deliberation

**9:00 - 9:15 a.m.**

Award Presentation

**11:00 a.m.-12:00 p.m.** [SIVB In Vitro Animal Cell Sciences Program Committee Meeting](#)

**12:00–1:00 p.m.** SIVB In Vitro-Plant Editorial Board Meeting

**5:30-6:30 p.m.** IAPB Council Meeting

**6:00-7:30 p.m.** Workshop:  
[siRNA and miRNA Plant Biotechnology](#)  
Lining Tian, Agriculture and Agri-Food Canada

**7:00-9:00 p.m.** [How to Get the Most from a Scientific Conference](#)  
Convener: S. Richelle Monaghan  
Panelists:  
Stephanie J. DeWitte-Orr, McMaster University, Canada  
Brian Dixon, University of Waterloo, Canada  
Lucy Lee, Wilfrid Laurier University, Canada  
Gregory C. Phillips, Arkansas State University, USA  
Barbara Reed, USDA/ARS, USA

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

**SIVB Plant Biotechnology Post Doc Oral Presentation Competition**

Moderator: Michael Bosela

Judges: Jeffrey Adelberg, Maud Hinchee and Nancy Reichert

**7:00-7:20 p.m.**

Chuanen Zhou, Samuel Roberts Noble Foundation, USA

*“An ARGONAUTE family gene, LOBBED LEAFLET1, regulates leaf, flower and root development through the TAS3 trans-acting siRNA pathway in Medicago truncatula”*

**7:20-7:40 p.m.**

Souman Nandy, University of Arkansas, USA

*“FLP-mediated site-specific gene integration in rice”*

**7:40-8:00 p.m.**

Qingzhen Jiang, Samuel Roberts Noble Foundation, USA

*“Physiological characterization of two transgenic forage legume species for drought tolerance”*

**8:00-8:20 p.m.**

Walid M. Fouad, University of Florida, USA

*“Altering lignin content in bahiagrass (Paspalum notatum Flugge) by down regulation of 4-coumarate-CoA ligase”*

**8:20-8:40 p.m.**

Changfu Zhu, Universitat de Lleida, Spain

*“The role of genetic background in determining qualitative and quantitative carotenoid profiles in corn endosperm”*

**8:40 - 8:50 p.m.**

Judges deliberation

**8:50 - 9:00 p.m.**

Award Presentation

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**Wednesday, June 9**

**7:30-8:30 a.m.**

SIVB Education Committee and Student Affairs Breakfast Meeting

**9:30-10:30 a.m.**

**SIVB Cancer Biology and Biological Sensors Contributed Paper Session**

Moderator: Michael Fay

**9:30-9:45 a.m.**

Michael J. Fay, Midwestern University, USA

*“Analysis of Cullin-5 mRNA and protein expression during monocytic differential of HL-60- leukemia cells”*

**9:45-10:00 a.m.**

Author is unable to attend

**10:00-10:15 a.m.**

Michael K. Dame, University of Michigan Medical School, USA  
*“Human colon mucosa in organ culture: Ca<sup>2+</sup> supplementation and multi-mineral extract induce differentiation and reduce proliferation of the epithelial component”*

**10:15-10:30 a.m.**

Brandon Pfeffer, Penn State Harrisburg, USA  
*“Selsa-1 and Selsa-2 are more potent Histone Deacetylase inhibitors and better than SAHA in Lung Cancer”*

**11:00 a.m.-12:00 p.m.** [SIVB Animal Cell Culture Applications Contributed Paper Session](#)

Moderator: Michael Dame

**11:00-11:15 a.m.**

Cordula Bartel, Vetmeduni Vienna, Austria  
*“Influence of steroid hormones on canine endometrial cells in a three-dimensional in vitro system”*

**11:15-11:30 a.m.**

William J. Smith, US Army Medical Research Institute of Chemical Defense, USA  
*“Operation of a cell culture core laboratory to provide human cell and tissue models used in the study of chemical warfare agents”*

**11:30-11:45 a.m.**

Lia Campbell, Cell Tissue Systems, Inc., USA  
*“Comparison of electroporation and Chariot™ for delivery of β-galactosidase into mammalian cells”*

**11:45–12:00 p.m.**

S. Richelle Monaghan, University of Waterloo, Canada  
*“The opportunities of the microsporidian Anncaliia algaeae: In vitro they seem unlimited”*

**12:00-1:00 p.m.** [SIVB In Vitro-Animal Editorial Board Meeting](#)

Free afternoon

**7:00-9:00 p.m.** [SIVB Plant Biotechnology Student Oral Presentation Competition](#)

Moderator: Sukhpreet Sandhu

Judges: Michael Kane, Lisa Lee and Ian Curtis

**7:00 – 7:20 p.m.**

Muhammad Fahim, CSIRO Plant Industry, Australia

*“Hairpin RNA derived immunity to wheat streak mosaic virus in transgenic wheat plants”*

**7:20 – 7:40 p.m.**

Carlos M. Hernandez-Garcia, The Ohio State University, USA

*“Rapid functional characterization of soybean promoters in transiently- and stably-transformed tissues”*

**7:40 – 8:00 p.m.**

Musa Kavaz, University of Florida, USA

*“Hyperthermostable xylanase Xyl10B produced in transplastomic plants converts hemicellulose to fermentable sugars for fuel ethanol production”*

**8:00-8:20 p.m.**

Elsa Pons, Instituto Valenciano de Investigaciones Agrarias, Moncada, Spain

*“Enhancing Beta-carotene (pro-vitamin A) content in orange fruits”*

**8:20-8:40 p.m.**

Nuria Soler, Instituto Valenciano de Investigaciones Agrarias, Moncada, Spain

*“The Conserved Zn finger domain and adjacent basic motifs of the p23 silencing suppressor of citrus tristeza virus are required for pathogenesis in transgenic Mexican lime plants”*

**8:40 - 8:50 p.m.**

Judges deliberation

**8:50 - 9:00 p.m.**

Award Presentation

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

Workshop:

The Basics of Cellular Imaging

Convener: Thomas M. Gurganus

**7:00 – 7:05 p.m.**

Introduction

**7:05-7:40 p.m.**

J. R. Johnson, Washington University Molecular Imaging Center, USA

*“Caspase-activated cell-penetrating probes for in vivo optical imaging of retinal neurodegeneration”*

**7:40-8:15 p.m.**

David Piwnica-Worms, M.D., Washington University School of Medicine, USA

*“Real-time imaging of signal transduction pathways and drug action in live cells and animals”*

**8:15-8:50 p.m.**

Britney L. Moss, Washington University School of Medicine, USA

*“Real-time bioluminescence imaging of NF-kappaB signal transduction in live cells”*

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**Thursday, June 10**

**7:30-8:30 a.m.**

SIVB Development Committee Meeting/2011 Program Planning Committee Meeting

**7:30-8:00 p.m.**

IAPB Association Meeting