



The International Association
for
Biological and Medical Research

2008 IABMR Symposium (5th Annual Meeting)

“Stem Cells in Development and Disease”

Sponsored by The Forsyth Institute

Time: 11:00am–6:00pm, Thursday, November 20th, 2008

Place: M. Barbara Schulze Conference Center (3rd floor)

The Forsyth Institute, 140 The Fenway, Boston, MA 02115, U.S.A.

PROGRAM SCHEDULE

- 11:00 – 12:00 **Poster Session I**
- 12:00 – 1:15 **Lunch**
- 11:30 – 1:30 **Vendor Exhibition**
- 1:15 – 1:30 **Welcome and Introduction**
Tsute Chen, Ph.D.
President of IABMR
- Opening Remarks**
Philip Stashenko, D.M.D., Ph.D.
President & CEO, The Forsyth Institute
- Speaker Session**
- 1:30 – 2:10 **Regenerative potential of skeletal muscle stem cells**
Amy Wagers, Ph.D.
Department of Pathology, Joslin Diabetes Center, Harvard Medical School
- 2:10 – 2:50 **Transcriptional control of stem cells**
Stuart H. Orkin, M.D.
Department of Pediatric Oncology, Dana-Farber Cancer Institute Children's Hospital, Howard Hughes Medical Institute
- 2:50 – 3:30 **What does bone do for bone marrow?**
David T. Scadden, M.D.
Harvard Medical School, Harvard University Center for Regenerative Medicine, Massachusetts General Hospital
- 3:30 – 4:00 **Coffee Break**
- 4:00 – 5:00 **Poster Session II**
- 5:00 – 6:00 **Poster Awards & Reception**

2008 IABMR Annual Meeting Committees

Symposium Committee:

Susan Rittling, Ph.D., IABMR Board Member, The Forsyth Institute (Chair)

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Toshihisa Kawai, DDS, PhD., Former President of IABMR, The Forsyth Institute, Harvard School of Dental Medicine

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List of participating abstracts at the 2008 IABMR poster session

- 1. Genomic imbalances identified in Chinese patients associated with mental retardation using Affymetrix 6.0 SNP array** Hongyan Wang^{1*}, Yuwu Jiang^{2*}, Yiping Shen^{3*}, Shilin Li¹, Xiaohong Gong¹, Hong Shao³, Xiru Wu^{2#}, Li Jin^{1#}, Bai-Lin Wu^{1,3#}
- 2. Whole genome microarray evaluation of genomic imbalance in Chinese patients with developmental disorders** Xiaoli Chen^{1,2*}, Yiping Shen^{1*}, Hongyan Wang^{3*}, Hong Shao¹, Shilin Li³, Hong Fang¹, Xiaoming Shen¹, Li Ji^{3#}, Ting Zhang^{2#}, Bai-Lin Wu^{1,3#}
- 3. Dipeptidyl Peptidase I is a Potential Activator of Kallikrein 4** C.E. Tye^{1*}, C.T. Pham² and J.D. Bartlett¹
- 4. A practical platform for blood biomarker study by using global gene expression profiling of peripheral whole blood** Ze Tian^{1,2}, Nathan Palmer³, Patrick Schmid³, Hui Yao⁵, Michal Galdzicki¹, Bonnie Berger^{3,4}, Isaac S. Kohane^{1,2}, Erxi Wu^{1,2}
- 5. Zoledronic Acid-Induced Changes in Bone Wound Healing Processes** Jin Zhang¹, Qisheng Tu and Jake Chen
- 6. Effects of SATB2 Overexpression on Osteogenic Differentiation and Bone Regeneration** Brewer E, Zhang J, Tu Q, Tang J, Chen J
- 7. Phenotypic Analysis of Automatically Acquired Images of Zebrafish Treated with Alzheimer's γ -Secretase Inhibitors** Dilyara Arslanova¹ M.S., *Ting Yang¹ M.D., Xiaoyin Xu² PH.D., Stephen T. Wong³ PH.D., Corinne E. Augelli-Szafran¹ PH.D., Weiming Xia¹ PH.D.
- 8. Dose-dependent Inhibition of Notch Phenotypes in Zebrafish by γ -Secretase Inhibitors** *T. YANG¹ M.D., S. TUTHILL¹ B.S., D. ARSLANOVA¹ M.S., X. XU² PH.D., Y. LI³ PH.D., W. XIA¹ PH.D
- 9. Quantification of γ -secretase modulation differentiates inhibitor compound selectivity between amyloid precursor protein and Notch** Ting Yang, Dilyara Arslanova, Yongli Gu, Corinne Augelli-Szafran, Weiming
- 10. ESE-1 is a Protective Factor for Angiotensin II-mediated Vascular Inflammation and Remodeling** Yumei Zhan^{1*}, Ismail Kola², Lei Yuan¹, Maiko Kondo¹ and Peter Oettgen^{1*}
- 11. Low pH enhances ameloblast sensitivity to fluoride-mediated cell stress** Ramaswamy Sharma, Zeidonis Skobe, Bakhos A Tannous, John D. Bartlett
- 12. Detecting genomic copy number variants in different Chinese ethnic groups using Affymetrix SNP array 6.0** Shilin Li^{1*}, Yiping Shen^{2*}, Hong Shao², Hongyan Wang¹, Yajun Yang¹, Longli Kang¹, Li Jin¹, Bai-Lin Wu^{1,2}
- 13. Microdeletion/duplication at 15q13.2q13.3 among individuals with features of autism and other neuropsychiatric disorders** David T. Miller^{1,2,12,13}, #, Yiping Shen^{1,3,12,13}, #, Lauren A. Weiss^{3,4,12,13}, Joshua Korn^{3,4}, Irina Anselm^{5,12}, Carolyn Bridgemohan^{6,12}, Gerald F. Cox^{2,7,12}, Hope Dickinson⁸, Jennifer Gentile^{2,9,12}, David J. Harris^{2,12}, Vijay Hegde^{2,12}, Rachel Hundley^{6,12}, Omar Khwaja^{5,12,13}, Sanjeev Kothare^{5,10,12}, Christina Luedke^{11,12}, Ramzi Nasir^{6,12,13}, Annapurna Poduri^{5,12}, Kiran Prasad^{5,12}, Peter Raffalli^{5,12}, Ann Reinhard^{1,2}, Sharon E. Smith^{2,7,12}, Magdi Sobeih^{5,12,13}, Janet Soul^{5,12}, Joan Stoler^{2,12}, Masanori Takeoka^{5,10,12}, Wen-Hann Tan^{2,12}, Joseph Thakuria^{2,12}, Robert Wolff^{5,12}, Roman Yusupov^{2,12}, James F. Gusella^{3,4,12,13}, Mark J. Daly^{3,4,12,13}, Bai-Lin Wu^{1,12,13}
- 14. Reverting the Aggressive Behavior of Squamous Cell Carcinoma: Silencing of FAK and Src Kinases Normalizes Human, 3D Bioengineered Tissues Comprised of E-Cadherin-Deficient Tumor Cells.** Alt-Holland A^{1,2*}, Szwec-Levine Y², Sowalsky A³, Feig L³, and Garlick JA¹
- 15. Genome surveys of two members of the Phylum 'Synergistetes' isolated from the human oral microbiome** O. V. Baranova¹, D. R. Spencer¹, F. E. Dewhirst¹, T. Chen¹, W-H. Yu¹, W. G. Wade², J. Izard^{1,1}
- 16. The multiple roles of Ac45 in osteoclast mediated bone resorption.** De-Qin Yang¹, Wei Chen^{1,2}, Shengmei Feng¹ and Yi-Ping Li^{1,2*}
- 17. Zebrafish *wnt9a/9b* Expression, Phylogenomic and Functional Analyses Illuminate the Evolution of the Wnt 1/3/6/9/10 Gene Family Important in Oral-Facial Clefting.** TL Payne-Ferreira¹, PK Fang¹, A Cox¹, PA Jezewski^{2,3*}



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