



**MARYLAND STEM CELL RESEARCH SYMPOSIUM  
WEDNESDAY SEPTEMBER 22<sup>ND</sup>, 2010**

<b>MORNING AGENDA</b>	
<b>7:00am - 8:00am</b>	<b>Breakfast / Registration</b>
<b>Opening Remarks</b>	
<b>8:00am - 8:30am</b>	<p><b>Dan Gincel</b> Director, Maryland Stem Cell Research Fund</p> <p><b>Dr. Willie E. May</b> Director Chemical Science and Technology Laboratory National Institute of Standards and Technology</p> <p><b>Story Landis</b> Director National Institute for Neurological Disorders and Stroke National Institute of Health</p> <p><b>Margaret Conn Himelfarb</b> Chair Maryland Stem Cell Research Commission</p>
<b>Hematopoietic and Mesenchymal Stem Cells</b>	
<b>8:30am - 10:15am</b>	<p><b>Moderator: Dr. Curt Civin</b></p> <ul style="list-style-type: none"> <li>• <b>Curt Civin and Kara Scheibner</b> UMB MicroRNA Maestros of Hematopoiesis and Leukemia</li> <li>• <b>Pam Robey</b> NIH Bone marrow stromal cells in tissue engineering and regenerative medicine (TE/RM)</li> <li>• <b>Carl Simon</b> NIST Effect of 3D Scaffold Structure on Osteogenic Differentiation of Human Bone Marrow Stromal Cells</li> <li>• <b>Elias Zambidis</b> JHU Generation of Hematopoietic and Cardiac Lineages from Nonviral Clinically-Safe Human Induced Pluripotent Stem Cells</li> <li>• <b>Shobana shanmugasundaram</b> UMB Transglutaminase 2 and Factor XIIIa: Role in Early Skeletal Development</li> </ul>



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MORNING AGENDA CONTINUED	
10:15am - 10:45am	Break and Poster Viewing
Induced Pluripotent Stem Cells	
10:45am - 12:15pm	<p><b>Moderator: Dr. Pam Robey</b></p> <ul style="list-style-type: none"> <li>• <b>Josh Chenoweth</b> NIH Controlling Stem Cells in Health and Disease</li> <li>• <b>Manfred Boehm</b> NIH Patient-specific Cell Systems and Inherited Vascular Disorders</li> <li>• <b>Linzhao Cheng</b> JHU Human iPS cells: Gene Targeting and Blood Disease Modeling</li> <li>• <b>Gerard Luty</b> JHU Progenitor cell based therapies for ischemic ocular vasculopathies</li> <li>• <b>Paul Burridge</b> JHU A universal protocol for highly efficient cardiac differentiation of human pluripotent stem cells that eliminates interline vari</li> </ul>



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AFTERNOON AGENDA	
<b>12:15pm - 1:45pm</b>	<b>Lunch and Poster Viewing</b>
<b>The John L. Kellermann III Memorial Lecture</b>	
<b>1:45pm - 2:30pm</b>	<p><b>Ted Dawson</b> JHU Looking Forward to Tomorrow's Therapies for Parkinson's Disease</p>
<b>Stem Cells and Neurodegenerative Diseases</b>	
<b>2:30pm - 4:00pm</b>	<p><b>Moderator: Dr. Jeffery Rothstein</b></p> <ul style="list-style-type: none"> <li>• <b>Jeffery Rothstein</b> JHU Gliogenic Small Molecules – Stem Cell Therapy without Exogenous Stem Cells</li> <li>• <b>Nicholas Maragakis</b> JHU Glial Progenitor Cells as Tools for Understanding and Potentially Treating Motor Neuron Disease</li> <li>• <b>Paul Yarowsky</b> UMB Targeted and Controlled Migration of Stem Cells to Improve Neurotrophin Delivery in Neurodegenerative Diseases.</li> <li>• <b>Ahmet Hoke</b> JHU Human embryonic stem cell-derived Schwann cells to enhance nerve repair in a model of chronic denervation</li> <li>• <b>Paul Fishman</b> UMB Differentiation of Neural Progenitor Cells with the Transcription factor ND2</li> </ul>
<b>4:00pm - 4:30pm</b>	<b>Break and Poster Viewing</b>



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### AFTERNOON AGENDA CONTINUED

#### Clinical Trial in Stem Cells

**4:30pm - 6:00pm**

**Moderator: Dr. Laure Aurelian**

- **Donald W. Fink, Jr.**  
FDA/CBER  
Clinical Translation of Stem Cell-based Therapies: FDA Basic Principles
- **Laure Aurelian**  
UMB  
Herpes Simplex Virus Induces Stem Cell Differentiation and Graft vs. Host Disease (GVHD) in Bone Marrow Transplant Patients
- **Randal Mills**  
OSIRIS  
Clinical Applications of Mesenchymal Stem Cells
- **Mark Vesely**  
UMB  
Intravenous Human Mesenchymal Stem Cells Following Acute Myocardial Infarction

**6:00pm - 7:30pm**

**Reception, Networking and Poster Viewing**