



# 2009 WORLD STEM CELL SUMMIT

September 21-23, 2009  
Baltimore, Maryland

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## 2009 World Stem Cell Summit

September 21-23, 2009

Baltimore Convention Center - Baltimore, Maryland USA

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**The World Stem Cell Summit unites the stem cell universe of researchers, ReGEN industry leaders, funders, medical philanthropies, policy-makers, advocates, educators and regulators to chart the future of regenerative medicine.**

*The comprehensive, multi-track program covers advanced science, commercial perspectives, disease progress reports and in-depth reviews of policy, law, ethics, regulatory issues and global economic development. Join 125 presenting experts, attendees from 25 countries and representatives from 200 sponsors, supporting organizations and media partners, at this preeminent international networking event.*

## 2009 World Stem Cell Summit Program Agenda Overview

**Science:** 28 compelling science presentations from leading biologists, tissue engineers and nanotechnologists. Topics cover Human Embryonic Stem Cells, Induced Pluripotent Stem Cells; Nanotechnology and Bioengineering; Stem Cells and Disease Modeling; Neural, Cardiac and Cancer Stem Cells; Mesenchymal and Hematopoietic Stem Cells and Research Funding Opportunities.

**Business & Law:** Key Technologies of the ReGEN Industry; The Role of Big Pharma, Big Biotech, Big Device; Regulatory and Reimbursement Strategies; Commercialization, International Alliances, Partnerships and Acquisitions, Advanced Intellectual Property Issues, International Market Trends, Licensing, Technology Transfer, Successful Business Models, Innovative Funding Mechanisms and more.

**Medicine:** Five disease focus sessions designed for physicians, other healthcare providers and patients. Sessions Cover Spinal Cord Injury and Multiple Sclerosis; Cancer; Cardiovascular; Diabetes, and Parkinson's / ALS / Neurological Disorders. Each panel features a clinician, industry representative, scientist, consumer and foundation representative.

**International Discussions:** International Strategies, Partnerships and Collaborations; Stem Cells and the Potential for National and Regional Economic Development; Stem Cells in Clinical Treatments and Medical Tourism; International Standards and Regulations; Regenerative Medicine for Wounded Soldiers; Case Study on Maryland's Investment in Stem Cell Science; Cord Blood, Cell Banking and more.

**Ethics and Advocacy:** Stem Cell Action—A New Agenda for Advocates, Ethics and Societal Issues, Understanding Federal Policy, Drug Development Timelines and Medical Tourism Concerns and Guidelines.

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## 2009 World Stem Cell Summit Agenda (updated 9/14/09)

### Summit Chairs:

Curt Civin, University of Maryland School of Medicine

Chi Dang, Johns Hopkins University

Linda Powers, Toucan Capital Corporation

Karen Rothenberg, Maryland Stem Cell Research Commission, University of Maryland School of Law

Bernard Siegel, Genetics Policy Institute

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## Day One

**Monday, September 21, 2009**

**9:00 Registration Opens**

**9:00–12:00 Poster Viewing**

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MASSACHUSETTS LIFESCIENCES  
CENTER  
MICHIGAN CITIZENS FOR STEM CELL  
RESEARCH & CURES  
MICHIGAN STATE UNIVERSITY

### Public Symposium and Workshops

New Investigator Grant Writing Workshop  
Career Workshop  
Conversations with Industry Panel Discussion  
Stem Cells Science and Medicine 101

#### 12:30–12:50 Welcome and Meeting Overview

Bernard Siegel, Genetics Policy Institute, USA  
Chancellor William E. Kirwan, University System of Maryland, USA  
Scott Zeger, Vice-Provost for Research, Johns Hopkins University, USA

#### 12:50–1:20 KEYNOTE ADDRESS:

Introduction: David Ramsay, University of Maryland-Baltimore, USA  
Keynote Address: Martin O'Malley, Governor of Maryland, USA

#### 1:20-2:45 PLENARY DISCUSSION: Ethics and Societal Issues

##### Speakers:

Timothy Caulfield, Alberta Heritage Foundation for Medical Research, Canada  
Erica Haines, Newcastle University, United Kingdom  
Jonathan Moreno, University of Pennsylvania, USA  
Jeremy Sugarman, Johns Hopkins University, USA

#### 2:45–3:00 Break | Poster Viewing

#### 3:00–4:25 - 3 Concurrent Sessions

#### INDUSTRY TRACK: Cells, Growth Factors, Scaffolds, Bioreactors: the Key Technologies in the ReGEN Industry

##### Moderator:

Chris Mason, University College London, United Kingdom

##### Speakers:

Jeff Mooney, Corning Life Sciences, USA  
Mahendra Rao, Invitrogen, USA  
David Smith, Lonza, USA  
Doris Taylor, University of Minnesota, USA

#### SCIENCE TRACK: hESC and iPS

##### Moderator:

Linzhao Cheng, Johns Hopkins University, USA

##### Speakers:

Stephen Baylin, Johns Hopkins University, USA  
Jose Cibelli, Michigan State University, USA  
Jeanne Loring, Scripps Research Institute, USA  
Fanyi Zeng, Shanghai Jiaotong University, China

#### SOCIETY TRACK: The NIH 2009 Guidelines: A Global Perspective for IRB/ESCRO Members, International Research Collaborators, Policy Makers, and Advocates

##### Moderator:

Alan L. Jakimo, Sidley Austin, New York, USA

##### Introduction:

Lana Skirboll, NIH Office of Science Policy, USA

##### Panelists:

John D. Gearhart, University of Pennsylvania, USA  
Rosario Isasi, McGill University, Canada  
Pearl O'Rourke, Partners Health Care System, USA  
Lana Skirboll, NIH Office of Science Policy, USA

#### 4:30–5:25 - 3 Concurrent Sessions

#### INDUSTRY TRACK: Panel Discussion: Pharma, Biotech, Device and the ReGEN Industry

##### Moderator:

Michael Werner, Holland & Knight, USA

##### Panel Members:

David Amrani, Baxter, USA  
Jim Greenwood, Biotechnology Industry Organization, USA  
Alain Vertes, Roche Switzerland

#### SCIENCE TRACK: Stem Cells, Nanotechnology and Bioengineering

##### Speakers:

MISSOURI BIOTECHNOLOGY ASSOCIATION  
MISSOURI COALITION FOR LIFESAVING CURES  
NATIONAL ASSOCIATION OF BIOLOGY TEACHERS (NABT)  
NATIONAL MULTIPLE SCLEROSIS SOCIETY  
NEBRASKA COALITION FOR LIFE SAVING CURES  
NEW JERSEY COMMISSION ON SCIENCE AND TECHNOLOGY  
NEW YORK NEURAL STEM CELL INSTITUTE  
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Raphael Gorodetsky, Hadassah, Israel  
Duncan Graham, University Of Strathclyde, Scotland  
John Hunt, University of Liverpool, United Kingdom  
\*Additional science presenters will be selected by the Poster Forum Committee.

### SOCIETY TRACK: Maryland's Investment in Stem Cell Science

#### Speakers:

Dan Gincel, Maryland Stem Cell Research Fund, USA  
Sandy Rosenberg, Maryland House of Delegates, USA  
Karen Rothenberg, Maryland Stem Cell Research Commission & University of Maryland School of Law, USA

### 5:30–7:00 Networking Reception | Poster Viewing

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## Day Two

Tuesday, September 22, 2009

### 8:00–8:25 Welcome Remarks

8:30–8:55 KEYNOTE ADDRESS: U.S. Rep. Michael Castle- *The Legislative Agenda*

### 9:00–9:55 - 3 Concurrent Sessions

#### INDUSTRY TRACK: Panel Discussion: Stem Cells and the Potential for National and Regional Economic Development

##### Moderator:

Megan Munsie, Australian Stem Cell Centre, Australia

##### Speakers:

Robert Klein, California Institute for Regenerative Medicine, USA  
Drew Lyall, Stem Cell Network, Canada  
Susan Solomon, New York Stem Cell Foundation, USA

#### SCIENCE TRACK: Stem Cells and Disease Modeling

##### Moderator:

Chi V. Dang, Johns Hopkins University School of Medicine, USA

##### Speakers:

Linzhao Cheng, Johns Hopkins University, USA  
Ji Lan Chun, University of Illinois at Urbana and Champaign, USA  
Warren Pear, University of Pennsylvania School of Medicine, USA

#### SOCIETY TRACK: Regenerative Medicine for Wounded Soldiers and Civilians

##### Moderator:

Alan Faden, University of Maryland School of Medicine, USA

##### Speaker:

Jennifer Ellisseeff, Johns Hopkins University, USA  
John Fisher, University of Maryland School of Medicine, USA  
Shay Soker, Wake Forest University, USA

### 10:00–10:25 Break | Poster Viewing with Presenters Attending

### 10:30–11:25 - 3 Concurrent Sessions

#### INDUSTRY TRACK: Regulatory and Reimbursement Strategies

##### Moderator:

Linda Powers, Toucan Capital Corp., USA

##### Speakers:

Donald Fink, Food and Drug Administration (FDA), USA  
Tim Hunter, MCRA, LLC, USA  
C. Randall Mills, Osiris Therapeutics, Inc., USA

#### SOCIETY TRACK A: International Perspectives- Countries having the competitive edge

##### Moderator:

Timo Faltus, University of Leipzig, Germany

##### Speakers:

Natividad Cuende, Andalusian Initiative for Advanced Therapies, Spain  
Avi Treves, Cancer Research Center, Sheba Medical Organization, Israel  
John Yu, Taiwan Society for Stem Cell Research, Taiwan

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## **SOCIETY TRACK B: Stem Cell Progress Report—Cancer**

### **Moderator:**

E. Albert Reece, University of Maryland School of Medicine, USA

### **Scientist/Clinician:**

Curt Civin, University of Maryland School of Medicine, USA

William Matsui, Johns Hopkins University, USA

### **Industry:**

Robert Hariri, Celgene, USA

### **11:30–12:55 Luncheon Conversations with Experts**

Informal roundtables focusing on business, economic, political and therapeutic strategies with an international group of stem cell leaders from corporate, academic and government sectors.

### **1:00–1:25 KEYNOTE ADDRESS: Why JDRF Is Investing in Stem Cell Research**

Alan J. Lewis, President & CEO, Juvenile Diabetes Research Foundation International, USA

### **1:30–2:55 PLENARY DISCUSSION: The Promise of Stem Cell Research**

#### **Moderator:**

Curt Civin, University of Maryland School of Medicine, USA

#### **Speakers:**

Alan Colman, King's College London, Singapore Stem Cell Consortium, Singapore

Ronald McKay, National Institute of Health, USA

Irving Weissman, Stanford University, USA

Sally Temple, New York Neural Stem Cell Institute, USA

### **3:00–3:15 Break | Poster Viewing with Presenters Attending**

### **3:20–4:45 - 3 Concurrent Sessions**

#### **INDUSTRY TRACK: Commercialization of Stem Cells and International Partnerships, Alliances, and Acquisitions**

##### **Moderator:**

Sarah Haecker, Genetics Policy Institute, USA

##### **Speakers:**

Hani Chohan, GE Healthcare, USA

Paul Grayson, Fate Therapeutics, USA

Shosh Merchav, Teva Pharmaceuticals, Israel

Ian Ratcliffe, Stemgent, USA

#### **SCIENCE TRACK: Cancer Stem Cells**

##### **Moderator:**

Angela Brodie, University of Maryland School of Medicine, USA

##### **Speaker:**

Curt Civin, University of Maryland School of Medicine, USA

Richard Jones, The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, USA

Stuart Martin, University of Maryland-Baltimore, USA

Sharon Pine, National Cancer Institute, USA

#### **SOCIETY TRACK: Stem Cell Action—A New Agenda for Advocates**

##### **Moderator:**

Bernard Siegel, Genetics Policy Institute, USA

##### **Speakers:**

Ellen Arnold, Arnold Public Affairs, USA

Don Reed, Americans for Cures Foundation, USA

Mary Woolley, Research America, USA

Howard Zucker, FRMR: Interagency Federal Working Group on Regenerative Medicine

### **4:50-6:15 - 3 Concurrent Sessions**

#### **INDUSTRY TRACK: Stem Cell Law- Advanced Intellectual Property Issues**

##### **Moderator:**

Peter Ludwig, Darby & Darby, USA

##### **Speakers:**

Chris Alder, Osiris Therapeutics, USA

Mark Ellinger, Fish & Richardson P.C., USA

Lawrence Sung, University of Maryland School of Law, USA

Franz-Joseph Zimmer, Grunecker, Kinkeldey, Stockmair & Schwanhauser, Germany

#### **SCIENCE TRACK: Cardiovascular Stem Cells**

**Moderator:**

Jeff Bulte, Johns Hopkins University, USA

**Speakers:**

Kenneth Chien, Harvard Stem Cell Institute, USA

Tea Soon Park, Johns Hopkins University, USA

Terry Rogers, University of Maryland School of Medicine, USA

**SOCIETY TRACK: Stem Cell Progress Report—Spinal Cord Injury and Multiple Sclerosis****Moderator:**

Thomas Scalea, University of Maryland School of Medicine, USA

**Patient Advocate:**

Josh Basile, Student Society for Stem Cell Research, USA

**Clinician:**

John McDonald, Kennedy Krieger Institute, USA

**Industry:**

Jane Lebkowski, Geron, USA

**Association:**

Peter Kiernan, Christopher & Dana Reeve Foundation, USA

**Scientist:**

Wise Young, W.M. Keck Center for Collaborative Neuroscience, USA

**6:20–7:00 Networking Reception | Poster Viewing****7:30 –9:00 World Stem Cell Summit Awards Dinner - Baltimore Hilton**

Through the Stem Cell Action Awards, the Genetics Policy Institute recognizes organizations and individuals who have most positively impacted the stem cell community. Our 2009 Stem Cell Action honorees are Governor Martin O'Malley (National Leadership), Juvenile Diabetes Research Foundation- JDRF (International Advocacy), Cure Michigan (Grassroots Advocacy), Michigan Citizens for Stem Cell Research & Cures (Education), John Kellermann (Inspiration), Margaret Conn Himelfarb (Inspiration).

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**Day Three**

**Wednesday, September 23, 2009**

**8:30–8:55 Welcome Remarks****9:00–10:25 - 3 Concurrent Sessions****INDUSTRY TRACK: Commercialization of Stem Cells and International Market Trends****Moderator:**

Aidan Courtney, Roslin Cells, Scotland

**Speakers:**

Chris Mason, University College London, United Kingdom

Alan Moore, Stem Cell Therapeutics, Canada

Linda Powers, Toucan Capital Corp., USA

Devyn Smith, Pfizer Global Research & Development, USA

**SCIENCE TRACK: Neural Stem Cells****Moderator:**

Valina Dawson, Johns Hopkins University, USA

**Speakers:**

Zhikai Chi, Johns Hopkins University, USA

Mitra Lavasani, University of Pittsburgh, USA

Adam Puche, University of Maryland School of Medicine, USA

Hongjun Song, Johns Hopkins University, USA

Sally Temple, New York Neural Stem Cell Institute, USA

**SOCIETY TRACK: Stem Cell Progress Report—Diabetes****Moderator:**

Alan Shuldiner, University of Maryland School of Medicine, USA

**Scientist/Clinician:**

Camillo Ricordi, Diabetes Research Institute, USA

**Industry:**

Ed Baetge, Novocell, USA

**Association:****Scientist:**

Robert Goldstein, Juvenile Diabetes Research Foundation, USA

**Patient Advocate:**

Margaret Conn Himelfarb, Maryland Stem Cell Research Commission, USA

**10:30–10:55 Break | Poster Viewing with Presenters Attending**

**11:00–12:25 - 3 Concurrent Sessions**

**INDUSTRY TRACK: Business Models for Successful Stem Cell Companies and Innovative Funding Mechanisms**

**Moderator:**

Lee Buckler, Cell Therapy Group, Canada

**Speakers:**

Jeffrey S. Karan, Proteus Venture Partners, USA

Martin McGlynn, StemCells, Inc., USA

Mike West, Biotime, USA

**SOCIETY TRACK A: Stem Cells in Clinical Treatments and Medical Tourism: What's here and now**

**Moderator:**

Bernard Siegel, Genetics Policy Institute, USA

**Speakers:**

Grant Albrecht, artist, writer and Transverse Myelitis patient, USA

Jeannie Fontana, patient advocacy, Burnham Institute for Medical Research, USA

Alex Moffett, Beike Holdings, Thailand

Doug Sipp, Riken Institute, Japan

**SOCIETY TRACK B: Stem Cell Progress Report—Parkinson's / ALS / Neurological Disorders**

**Moderator:**

Jeffrey D. Rothstein, Johns Hopkins University, USA

**Association:**

Amy Comstock Rick, Parkinson's Action Network, CAMR, USA

**Scientist:**

Michael Shipley, University of Maryland School of Medicine, USA

**Clinician:**

William Weiner, University of Maryland School of Medicine, USA

**Patient Advocate:**

John Kellermann, Maryland Stem Cell Research Commission, USA

**12:30–1:55 Luncheon Conversations with the Experts**

Informal roundtables focusing on business, economic, political and therapeutic strategies with an international group of stem cell leaders from corporate, academic and government sectors.

**2:00–2:25 BioBusiness.TV's "STEM CELL REVIEW" World Premiere Showing**

Join BioBusiness.TV for the world premiere showing of the "Stem Cell Review", a 10 part series on the scientific, medical, and business aspects of stem cells. This program is geared towards investors, biopharma industry executives, scientists, policy-makers, and general audiences who want a clear, concise, and "big picture" understanding of the state of stem cells today. Episode 1 "Stem Cells at a Glance" features interviews with George Daley, Dan Marshak, Alan Colman, John Sinden, Ron McKay, Shinya Yamanaka, Gregory Bonfiglio, and Alan Trounson.

**2:30–3:55 - 3 Concurrent Sessions**

**INDUSTRY TRACK: Federal Agencies: Your Questions Answered Relating to NIH Funding, Standards and Clinical Trials**

**Moderator:**

Howard Zucker, FRMR: Interagency Federal Working Group on Regenerative Medicine

**Speakers:**

Steven Bauer, Food and Drug Administration (FDA), USA

Ann Hardy, NIH Office of Extramural Research, USA

Anne Plant, National Institute for Standards and Technology (NIST), USA

John Thomas, National Heart, Lung, and Blood Institute (NHLBI), USA

**SCIENCE TRACK: MSCs and HSCs**

**Speakers:**

Alan D. Friedman, Johns Hopkins University, USA

Irina Kolosova, Johns Hopkins University, USA

Alfredo Quinones-Hinojosa, Johns Hopkins University, USA

Dr. Toshio Suda, Keio University, Japan

Huakun Xu, University of Maryland Dental School, USA

**SOCIETY TRACK: Stem Cell Progress Report—Cardiovascular**

**Scientist:**

Timothy Kamp, University of Wisconsin-Madison, USA

**Clinician:**

Joshua Hare, University of Miami Miller School of Medicine, USA

**Industry:**

Kristin Comella, Bioheart, USA

**4:00–4:10 Break | Poster Viewing with Presenters Attending**

**4:15–5:40 - 3 Concurrent Sessions**

**INDUSTRY TRACK A: Licensing, Technology Transfer and Partnering in the ReGEN**

**Industry**

**Moderator:**

Renee Winsky, Tech Council of Maryland, USA

**Speakers:**

Wesley Blakeslee, Johns Hopkins University Technology Transfer, USA

Elizabeth Fenjves, University of Miami, USA

Elizabeth Hart-Wells, University of Maryland, USA

James Poulos, Maryland TEDCO, USA

Arundee Pradhan, The Association of Technology Transfer Managers (AUTM), USA

**INDUSTRY TRACK B: Cord Blood and Cell Banking: Answers for Patients, Researchers, and**

**Industry**

**Moderator:**

Robert Margolin, Genetics Policy Institute, USA

**Speakers:**

Morey Kraus, PerkinElmer, USA

Amnon Pelz, Taburit, Israel

Robin Smith, NeoStem, USA

Elias Zambidis, Johns Hopkins University, USA

**SOCIETY TRACK: A New Era for Human Embryonic Stem Cells**

**Moderator:**

**Patient Advocate:**

Sabrina Cohen, Sabrina Cohen Foundation for Stem Cell Research, USA

**Association:**

Kevin Wilson, American Society for Cell Biology, USA

**Scientists:**

Srujana Cherukuri, National Institutes of Health, USA

Mark Noble, University of Rochester, USA

Jizhong Zou, Johns Hopkins University, USA

**5:45–6:15 PLENARY DISCUSSION with World Stem Cell Summit Co-Chairs and Final**

**Remarks**

**Speakers:**

Curt Civin, University of Maryland School of Medicine

Chi Dang, Johns Hopkins University

Linda Powers, Toucan Capital Corporation

Karen Rothenberg, Maryland Stem Cell Research Commission & University of Maryland School of

Law

Bernard Siegel, Genetics Policy Institute

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**Don't miss this opportunity! [Register today and SAVE.](#)**

For the most up-to-date news, information, and listing of special events visit us at  
[WorldStemCellSummit.com](http://WorldStemCellSummit.com).

**Sponsorship and exhibit opportunities are now available.**

Contact [Robert Margolin](#) or [Alan Fernandez](#) to learn more.

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