

**NYSCF** The New York  
Stem Cell Foundation

NYSCF  
FOR  
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The New York  
Stem Cell  
Foundation

*invites you to its*

Third Annual  
Translational Stem  
Cell Research  
Conference

October 14-15, 2008

**NYSCF**

The New York  
Stem Cell Foundation

163 Amsterdam Avenue, Box 309  
New York, NY 10023

[www.nyscf.org](http://www.nyscf.org)

**Chairs**

Douglas A. Melton, PhD, and Paul Nurse, PhD

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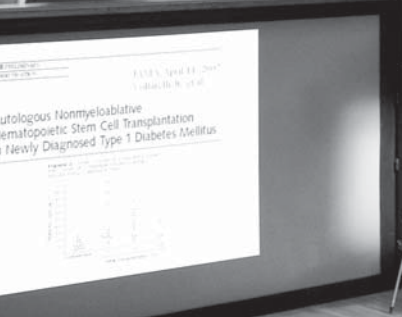
*Tri-Institutional Stem Cell Initiative:*

Memorial Sloan-Kettering Cancer Center,  
The Rockefeller University, Weill Cornell Medical College



# Breaking Through

ROCKEFELLER UNIVERSITY  
for the benefit of humanity



## TUESDAY OCTOBER 14, 2008

Road to the Clinic: From Lab to Therapy  
1:30 – 3:30 pm

Conference Preview: Research Highlights  
for a Lay Audience  
4:00 – 5:30 pm

The Political Landscape: What's in Store?  
5:30 – 6:00 pm

Location: The Rockefeller University, New York City



## WEDNESDAY OCTOBER 15, 2008

Third Annual Translational Stem Cell Research  
Conference  
9:00 am – 5:30 pm

Location: The Rockefeller University, New York City

# NYSCF Conference Overview

The primary aim of the conference is to demonstrate the potential of stem cell research to advance cures for the major diseases of our time. It is designed for those with an interest in stem cell research, including physicians, researchers, clinical investigators, professors, government and health officials, postdoctoral fellows, and graduate students. The panels on Tuesday are designed to reach a broader audience, including the lay public.

## REGISTRATION INFORMATION FULL CONFERENCE

Early registration is recommended as space is limited. Full conference registration includes the Tuesday panels and the Wednesday conference sessions. Individuals wishing to attend only Tuesday's panels may register for those separately (see below).

**Commercial** Early registration: \$475, on and prior to September 14, 2008. Registration: \$625 as of September 15, 2008.

**Non-Profit/Government/Academic** Early registration: \$245, on and prior to September 14, 2008. Registration: \$325 as of September 15, 2008.

**Residents/Fellows/Postdocs** Fee: \$175, with no increase. *Proof of identification is required.*

**PhD and Medical Students** Fee: \$35, with no increase. *Proof of identification is required.*

## REGISTRATION INFORMATION TUESDAY PANEL ONLY

Early registration is recommended as space is limited. Note: The cost of the Tuesday panels is included with the full conference registration (see above).

**Both Panels: Road to the Clinic and Conference Preview: Research Highlights for a Lay Audience** \$120

**Road to the Clinic** \$95

**Conference Preview: Research Highlights for a Lay Audience** \$25

## GENERAL INFORMATION

**Conference Location** All sessions will be held in Caspary Auditorium at The Rockefeller University, located at 1230 York Avenue at 66th Street.

**Parking Information** Rockefeller Laboratories Garage, 433 East 66th Street (between York and 1st Avenues), Tel: (212) 639-2338, Rates: \$32 per 24 hours.

### Hotel information

Blocks of rooms have been reserved at the following hotels for the convenience of participants:

**The Bentley** 500 East 62nd Street (62nd and York), (212) 247-5000 ext. 7007. Discounted prices start at \$309 per night. **Mention The New York Stem Cell Foundation Group Number 1013; you must reserve prior to August 31 for this rate.**

**The Helmsley Medical Tower** 1320 York Avenue (70th & 71st), (212) 472-8400 or (800) HM Tower. Discounted price of \$225 per night. **Mention The New York Stem Cell Foundation Room Block; you must reserve prior to September 29 for this rate.**

**Refund Policy** Your registration fee is refundable with a written cancellation no later than September 30, 2008, less a \$65 administrative charge. No-shows are not eligible for a refund.

**Substitution Policy** If you register for, but cannot attend the conference, you may substitute another individual by written request to the Director of Events by September 30, 2008.

**Cancellation Policy** This conference is subject to cancellation. In the event that it is cancelled, NYSCF will refund only your registration fee but will not be responsible for any airfare, hotel or other costs incurred by participants.

### For further information please contact:

Director of Events, The New York Stem Cell Foundation  
163 Amsterdam Avenue, Box 309, New York, NY 10023  
Email: [conference@nyscf.org](mailto:conference@nyscf.org), Tel: (212) 787-4111 ext. 108, Fax: (212) 787-5844

### NYSCF wishes to thank its corporate supporters:

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TUESDAY OCTOBER 14, 2008

## Panel Sessions

### Road to the Clinic: From Lab to Therapy

1:30 – 3:30 pm

Caspary Auditorium, The Rockefeller University

#### CHAIR AND MODERATOR

Lee Rubin, PhD

#### PANELISTS

Insoo Hyun, PhD

Hans Keirstead, PhD

Jeffrey Kordower, PhD

Thane Kreiner, PhD

John McNeish, PhD

### Conference Preview: Research Highlights for a Lay Audience

4:00 – 5:30 pm

Caspary Auditorium, The Rockefeller University

#### CHAIR AND MODERATOR

Kevin C. Eggan, PhD

#### PANELISTS

E. Edward Baetge, PhD

Pete Coffey, PhD

George Daley, MD, PhD

Gerald D. Fischbach, MD

Shahin Rafii, MD

Amy Wagers, PhD

### The Political Landscape: What's in Store?

5:30 – 6:00 pm

Caspary Auditorium, The Rockefeller University

#### MODERATOR

Leonard Lopate *Host*, The Leonard Lopate Show, WNYC



(left to right) NYSCF 2007 Public Policy Panel: Susan L. Solomon, Dr. William Neaves, David Carmel, Michael Manganiello, Dr. Doug A. Melton, Dr. John D. Gearhart and Alta Charo.

# The New York Stem Cell Foundation *Breaking Through* Third Annual Translational Stem Cell Research Conference

Casparly Auditorium, The Rockefeller University

- 8:30-9:00 Registration and Complimentary Breakfast
- 9:00-9:05 Susan L. Solomon: Introduction
- 9:05-9:10 Douglas A. Melton: Welcome

*Note: During breaks, participants are invited to view posters presented by the NYSCF - Druckenmiller Fellows.*

## DIABETES

**Chair: Robin Goland, MD**

- 9:10-9:30 **Douglas A. Melton, PhD**  
Making More Pancreatic Beta Cells
- 9:30-9:50 **E. Edward Baetge, PhD**  
Functional Beta Cells from hESCs
- 9:50-10:10 **Harry Heimberg, MD, PhD**  
Beta Cell Neogenesis in the Adult Pancreas
- 10:10-10:20 Question & Answer
- 10:20-10:40 Break and Poster Session

## CANCER AND BLOOD DISEASE

**Chair: Ihor Lemischka, PhD**

- 10:40-11:00 **Franziska Michor, PhD**  
Dynamics of Cancer Stem Cells
- 11:00-11:20 **Mickie Bhatia, PhD**  
Blood Development from Human Pluripotent Stem Cells
- 11:20-11:40 **Owen N. Witte, MD**  
Stem Cells in Prostate Cancer Development
- 11:40-11:50 Question & Answer
- 11:50-1:00 Complimentary Lunch and Poster Session

## REPAIRING OUR HEART AND MUSCLES

**Chair: John D. Gearhart, PhD**

- 1:00-1:20 **Amy Wagers, PhD**  
Regenerative Potential of Skeletal Muscle Stem Cells

- 1:20-1:40 **Michael A. Rudnicki, PhD, FRSC**  
Muscle Stem Cells
- 1:40-2:00 **Sean Wu, MD, PhD**  
Cardiac regeneration: iPS, ES, or Endogenous Cells?
- 2:00-2:10 Question & Answer

## NEURODEGENERATION AND SPINAL CORD INJURY

**Chair: Gerald Fischbach, MD**

- 2:10-2:30 **Lee Rubin, PhD**  
Using Stem Cells to Understand Selective Death of Neurons in Orphan Diseases
- 2:30-2:50 **Christopher Henderson, PhD**  
ES Cell-Derived Motor Neurons as Tools for Target and Drug Discovery in ALS and SMA
- 2:50-3:10 **Tom Okarma, MD, PhD**  
Human Embryonic Stem Cell Therapies: Case Study, Spinal Cord Injury
- 3:10-3:20 Question & Answer
- 3:20-3:40 Break and Poster Session

## DERIVATION AND CHARACTERIZATION OF NEW PLURIPOTENT STEM CELL LINES

**Chair: Shahin Rafii, MD**

- 3:40-4:00 **Ali H. Brivanlou, PhD**  
Molecular Basis of "Stemness" in Human Embryonic Stem Cells
- 4:00-4:20 **Kevin C. Eggan, PhD**  
Applications of Patient Specific Induced Pluripotent Stem Cells
- 4:20-4:40 **Konrad Hochedlinger, PhD**  
Understanding Nuclear Reprogramming
- 4:40-4:50 Question & Answer

## KEYNOTE SPEECH

- 4:50-5:30 **George Daley, MD, PhD**  
Disease Modeling with Pluripotent Stem Cells

## CLOSING RECEPTION

- 5:30-7:00 Posters Presented by NYSCF Fellows



2007 Speakers: Irving L. Weissman, MD and Gordon Keller, PhD



2007 Speakers: Rudolph Jaenisch, MD and Elaine Fuchs, PhD



# NYSCF Faculty

**E. Edward Baetge, PhD** *Vice President and Chief Scientific Officer, Novocell*

**Mickie Bhatia, PhD** *Scientific Director and Senior Scientist, Stem Cell and Cancer Research Institute (SCC-RI), Michael G. DeGroote School of Medicine, McMaster University*

**Ali H. Brivanlou, PhD** *Professor and Head of Laboratory, Laboratory of Molecular Embryology, The Rockefeller University*

**Pete Coffey, PhD** *Director, The London Project to Cure Blindness, Professor, Institute of Ophthalmology, University College London*

**George Daley, MD, PhD** *Associate Professor of Biological Chemistry and Molecular Pharmacology, Children's Hospital Boston, Harvard Medical School and Harvard Stem Cell Institute; Investigator, Howard Hughes Medical Institute*

**Kevin C. Eggan, PhD** *Assistant Professor, Department of Stem Cell and Regenerative Biology, Harvard University; Assistant Investigator, Stowers Medical Institute; Principal Investigator, Harvard Stem Cell Institute; Chief Scientific Officer, NYSCF*

**Gerald D. Fischbach, MD** *Scientific Director, The Simons Foundation*

**John D. Gearhart, PhD** *Director, Institute for Regenerative Medicine; Professor, School of Medicine; Professor, School of Veterinary Medicine; Penn Integrates Knowledge Professor, University of Pennsylvania*

**Robin Goland, MD** *Co-Director, Naomi Berrie Diabetes Center; Professor of Clinical Medicine, Columbia University Medical Center*

**Harry Heimberg, MD, PhD** *Investigator, University of Brussels*

**Christopher Henderson, PhD** *Professor of Pathology, Neurology and Neuroscience, and Co-Director, Motor Neuron Center, Columbia University; Senior Scientific Advisor, Jennifer Estess/Project ALS Stem Cell Laboratory*

**Konrad Hochedlinger, PhD** *Assistant Professor, Harvard University*

**Insoo Hyun, PhD** *Associate Professor of Bioethics, Case Western Reserve University School of Medicine*

**Hans Keirstead, PhD** *Associate Professor of Anatomy and Neurobiology, and Co-Director, Sue and Bill Gross Stem Cell Research Center, University of California, Irvine*

**Jeffrey Kordower, PhD** *The Jean Schweppe-Armour Professor of Neurological Sciences, Professor of Neurosurgery, Director, Research Center for Brain Repair; Section Head Neuroscience, Rush University Medical Center*

**Thane Kreiner, PhD** *President & Chief Executive Officer, iZumi Bio*

**Ihor Lemischka, PhD** *Director, Black Family Stem Cell Institute, Professor, Gene and Cell Medicine, and Professor, Developmental and Regenerative Biology, Mount Sinai School of Medicine*

**John McNeish, PhD** *Executive Director, Pfizer Regenerative Medicine*

**Douglas A. Melton, PhD** *Co-Director, Harvard Stem Cell Institute, Thomas Dudley Cabot Professor in the Natural Sciences, Co-Director, Center for Genomic Research, Harvard University; Investigator, Howard Hughes Medical Institute*

**Franziska Michor, PhD** *Assistant Member, Computational Biology Program, Memorial Sloan-Kettering Cancer Center*

**Tom Okarma, MD, PhD** *President and Chief Executive Officer, Geron Corporation*

**Shahin Rafii, MD** *Investigator, Howard Hughes Medical Institute; Arthur B. Belfer Professor of Genetic Medicine, and Director, Ansary Center for Stem Cell Therapeutics, Weill Cornell Medical College*

**Lee Rubin, PhD** *Director of Translational Medicine, The Harvard University Stem Cell Institute; Scientific Advisor, NYSCF*

**Michael A. Rudnicki, PhD, FRSC** *Director, Sprott Centre for Stem Cell Research, Ottawa Health Research Institute*

**Susan L. Solomon, JD** *CEO and Co-Founder, The New York Stem Cell Foundation*

**Amy Wagers, PhD** *Assistant Professor of Stem Cell and Regenerative Biology, Joslin Diabetes Center; Harvard University and Harvard Stem Cell Institute*

**Owen N. Witte, MD** *Investigator, Howard Hughes Medical Institute; Director, Broad Center of Regenerative Medicine and Stem Cell Research; Professor of Microbiology, Immunology and Molecular Genetics, University of California at Los Angeles*

**Sean Wu, MD, PhD** *Principal Faculty, Harvard Stem Cell Institute, Assistant Professor of Medicine, Cardiovascular Research Center, Massachusetts General Hospital, Harvard Medical School*

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# NYSCF Registration Form

## Third Annual Translational Stem Cell Research Conference: Breaking Through

October 14-15, 2008

Please send completed registration form with payment to:

Kacey Koepfel, Director of Events  
The New York Stem Cell Foundation  
163 Amsterdam Avenue, Box 309, New York, NY 10023  
Fax: (212)787-5844, Email: conference@nyscf.org

Or register online at [www.nyscf.org](http://www.nyscf.org)

**FULL CONFERENCE REGISTRATION**  
(includes all sessions, Tuesday and Wednesday)

### Commercial

On or before 9/14/08 **\$475**  Beginning 9/15/08 **\$635**

### Non-Profit/Government/Academic

On or before 9/14/08 **\$245**  Beginning 9/15/08 **\$325**

### Residents/Fellows/Postdocs

**\$175**

### MD/PhD Students

**\$35**

### I will attend:

Road to the Clinic: From Lab to Therapy, 1:30 pm on Tuesday

Research Highlights for a Lay Audience, 4:00 pm on Tuesday

The Conference on Wednesday

### TUESDAY PROGRAMS ONLY

Both Panels: Road to the Clinic and Conference Preview: Research Highlights for a Lay Audience **\$120**

Panel: Road to the Clinic **\$95**

Conference Preview: Research Highlights for a Lay Audience and The Political Landscape: What's in Store? **\$25**

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