

University of California
System-Wide Technology Transfer Forum
In partnership with the British Consulate-General, San Francisco,
and the Consulate General of Canada, San Francisco | Silicon Valley

STEM CELL RESEARCH AND REGENERATIVE MEDICINE

DATE: April 15, 2009

LOCATION: Hyatt Regency San Francisco Airport, Burlingame
TIME: 8:00 am to 5:15 pm/Reception-Buffer Dinner 5:15 to 8:00 pm
This is an invitation only event!

AGENDA

8:00 – 9:00 ***REGISTRATION and BREAKFAST***

9:00 – 9:30 ***OPENING REMARKS - Grand Peninsula A,B,C***

Steven V. W. Beckwith

Vice President, Research and Graduate Studies
University of California, Office of The President

Marc LePage

Consul General of Canada

Stefan Winkler

Life Science Industry Lead Specialist for North America
UK Trade & Investment, British Consulate-General Boston

9:30 – 10:30 ***PANEL DISCUSSION - Grand Peninsula A,B,C***
“Stem Cells and Regenerative Medicine: Successes and Challenges”

Panelists:

-**Gregory Bonfiglio** (*Moderator*): Founder and Managing General Partner,
Proteus Venture Partners

-**Jane Lebkowski**: Senior Vice President of Regenerative Medicine, Geron

-**Patricia Olson**: Director, Scientific Activities, California Institute for
Regenerative Medicine

-**Paul Kemp**: Founder, Chief Scientific Officer and
Executive Director, Intercytex, UK

-**Frank Gleeson**: CEO, Verio Therapeutics, Canada

10:30 – 11:00

NETWORKING BREAK

11:00 – 12:30

MORNING BREAKOUT SESSIONS

12:30 – 2:00

LUNCH and PANEL DISCUSSION

- **Grand Peninsula A,B,C**

“Bridging the Financing Gap in Stem Cell and Regenerative Medicine Commercialization”

Panelists:

-**Matthew Gardner** (Moderator): President, BayBio

-**Jim McLoughlin**: Executive Director, Pfizer Worldwide Business Development, Pfizer Biotherapeutics and Bioinnovations Center

-**Alan Trounson**: President, California Institute for Regenerative Medicine

-**Martin Godbout**: President and CEO, Genome Canada

-**Gregory Bonfiglio**: Founder & Managing General Partner, Proteus Venture Partners

-**Fergus McKenzie**: Programme Manager, ITI Life Sciences, UK

2:15- 3:45

AFTERNOON BREAKOUT SESSIONS

3:45 – 4:15

NETWORKING BREAK

4:15 – 5:15

PANEL DISCUSSION - Grand Peninsula A,B,C

“The Promise of Stem Cell Research and Regenerative Medicine”

Panelists:

-**Marc LePage** (Moderator): Consul General of Canada

-**Michael Rudnicki**: Scientific Director, Stem Cell Network, Canada

-**George De Sanctis**: Director, Partnership & Innovation, Sanofi-Aventis

-**Stefan Przyborski**: Director & CSO, ReInnervate Limited, UK

-**Darin J. Weber**: Senior Consultant, Biologics Consulting Group, Inc.

5:15 - 8:00

NETWORKING RECEPTION/BUFFET DINNER

SPONSORS:

ARCH Venture Partners

Cancer Stem Cell Consortium, Canada

MaRS, Canada

North of England Inward Investment Agency, UK

North-East England Stem Cell Institute, UK

Ontario Institute for Cancer Research

Scottish Stem Cell Network, UK

SETsquared Partnership

South East of England Development Agency, UK

South West of England Regional Dev. Agency, UK

Stem Cell Network, Canada

Townsend & Townsend and Crew, LLP

Wilson Sonsini Goodrich & Rosati

Yorkshire Forward, UK

MORNING BREAKOUT SESSIONS

SESSION 1 - Room E

Moderated by Maria Pallavicini

- 11:00 – 11:30 **Maria Pallavicini**
Dean of Natural Sciences
University of California, Merced
"Understanding Stem Cell Fate Decisions: Novel New Technologies and Approaches"
- 11:30 – 12:00 **William Stanford**
Associate Professor, Institute of Biomaterials & Biomedical Engineering
University of Toronto, Ontario, Canada
"The Molecular Networks That Control Stem Cell Function or Lead to Disease"
- 12:00 – 12:30 **Joanne Mountford**
Senior Lecturer in Stem Cell Technology
ITI LifeSciences Stem Cell Lab
Faculty of Biomedical & Life Sciences
University of Glasgow, United Kingdom
"High Content Screening for Small Molecules that Modulate Behaviour of hESCs"

SESSION 2 - Room F

Moderated by Alice F. Tarantal

- 11:00 – 11:30 **Alice F. Tarantal**
Vice-Chair for Research, Dept. of Pediatrics, School of Medicine
Associate Director, Stem Cell Program, California National Primate Center
University of California, Davis
"Translational Studies for Stem/Progenitor Cell Research"
- 11:30 – 12:00 **Duncan Stewart**
CEO & Scientific Director; Sr. Scientist, Regenerative Medicine Program
Evelyne and Rowell Laishley Chair, Ottawa Health Research Institute
Vice-President, Research, The Ottawa Hospital
Professor, Department of Medicine, University of Ottawa, Canada
"Enhanced Cell Therapy for Cardiovascular Diseases"
- 12:00 – 12:30 **Harry Moore**
Chair in Reproductive Biology
Center for Stem Cell Biology
University of Sheffield, United Kingdom
"Developing Stem Cell Technologies for Regenerative Stents and Other Therapeutic Applications"

SESSION 3 - Room G

Moderated by Brian J. Cummings

11:00 – 11:30

Brian J. Cummings

Assistant Professor, Department of Physical Medicine & Rehabilitation
Sue and Bill Gross Stem Cell Center, Reeve-Irvine Research Center
University of California, Irvine
*"Immunosuppressant Directed Differentiation of Human Neural Stem Cells
and Treatment of Spinal Cord Injury"*

11:30 – 12:00

Freda Miller

Professor, Department of Physiology
Canada Research Chair in Developmental Neurobiology
University of Toronto, Ontario, Canada
"SKPs: From Dermis to Nerve and Back Again"

12:00 – 12:30

Jeffrey C. Lotz

Professor, Orthopaedic Surgery; Director, Orthopaedic Bioengineering Lab.
Vice-Chair, UCSF Program in Bioengineering
University of California, San Francisco
"Guiding Stem Cells to Treat Back Pain"

SESSION 4 - Bayside Room

Moderated by David Schaffer

11:00 – 11:30

David Schaffer

Professor, Chemical Engineering, Bioengineering & The Helen Wills
Neuroscience Institute
Associate Director, Berkeley Stem Cell Center
University of California, Berkeley
"Engineering Bioactive Materials to Study and Control Stem Cell Function"

11:30 – 12:00

Andras Nagy

Sr. Scientist, Samuel Lunenfeld Research Institute, Mount Sinai Hospital
Professor, Department of Molecular Genetics
University of Toronto, Ontario, Canada
"Novel Non-Viral Approaches for Safe iPS Cell Derivation "

12:00 – 12:30

Michael Whitaker

Co-Director of North East England Stem Cell Institute
Universities of Durham and Newcastle, United Kingdom
*"An Overview of Technology Transfer and Translational Stem Cell Research in
North-East England"*

AFTERNOON BREAKOUT SESSIONS

SESSION 1 - Room E

Moderated by Nicole I. Zur Nieden

- 2:15 – 2:45 **Nicole I. Zur Nieden**
Assistant Professor, Dept. of Cell Biology & Neuroscience
University of California, Riverside
"Bioreactor Cultures for the Large-Scale Expansion and Computer-Controlled Growth of ESCs-Applications in Cell Therapy and Pharmacological Screening"
- 2:45 – 3:15 **Fabio Rossi**
Assistant Professor, Canada Research Chair in Regenerative Medicine
Biomedical Research Centre
University of British Columbia, BC, Canada
"Isolation, Characterization and Therapeutic Potential of Fibro/Adipogenic Progenitors"
- 3:15 – 3:45 **Julian Chaudhuri**
Professor, Biochemical & Biomedical Engineering
Head, Department of Chemical Engineering
Deputy Director, Center for Regenerative Medicine
University of Bath, United Kingdom
"Bioreactors for Stem Cell Culture and Regenerative Medicine"

SESSION 2 - Room F

Moderated by Jan A. Nolta

- 2:15 – 2:45 **Jan A. Nolta**
Professor, Hematology and Oncology, Department of Medicine
Director, Stem Cell Program
University of California, Davis
"Novel Stem Cell Therapeutics for Neurodegenerative Diseases"
- 2:45 – 3:15 **Michael Rudnicki**
Professor, Department of Medicine
Senior Scientist and Director of Regenerative Medicine Program
Director, Sprott Centre for Stem Cell Research
Ottawa Health Research Institute, Canada
"Muscle Stem Cells"
- 3:15 – 3:45 **Richard Oreffo**
Chair in Musculoskeletal Science & Associate Dean (Innovation & Enterprise)
Faculty of Medicine, Bone & Joint Research Group
Centre for Human Development, Stem Cells and Regeneration
University of Southampton, United Kingdom
"Bone Regeneration"

SESSION 3 - Room G

Moderated by Ken Cho

- 2:15 – 2:45 **Ken Cho**
Professor and Department Chair, Developmental & Cell Biology
University of California, Irvine
"A Perfusion Bioreactor for Large Scale Production of Uniformly Differentiated Cells From ES Cells"
- 2:45 – 3:15 **Tim Kieffer**
Professor, Department of Cellular and Physiological Sciences, and Surgery
University of British Columbia, BC, Canada
"Targeting Gut Stem cells to Treat Diabetes"
- 3:15 – 3:45 **Paul De Sousa**
Senior Research Fellow
Director, The Roslin Cells Center
MRC Centre for Regenerative Medicine
University of Edinburgh, United Kingdom
"Evolving the Biosafety of Pluripotent Cell Therapies"

SESSION 4 - Bayside Room

Moderated by Bin Chen

- 2:15 – 2:45 **Bin Chen**
Assistant Professor, Molecular, Cell & Developmental Biology
University of California, Santa Cruz
"Wiring up the Brain: How Transcription Factors Regulate Neural Stem Cell Differentiation"
- 2:45 – 3:15 **David Kaplan**
Sr. Scientist and Head, Cancer Research; The Hospital for Sick Children
Professor, Department of Molecular Genetics
University of Toronto, Ontario, Canada
"Signalling Protein and Drug Discovery Using Cancer Stem Cells"
- 3:15 – 3:45 **Noboru Sato**
Assistant Professor, Dept. of Biochemistry
University of California, Riverside
"New Methods to Culture hESC and iPS in a Fully Defined Environment"