



INSTITUTE FOR STEM CELL BIOLOGY Zurich

Symposium Stem Cells: from Bench-to-Bedside

The Institute for Stem Cell Biology-Zurich is in formation and launches its activities by organizing this first symposium

February 22-23, 2008

Hotel Park Hyatt Zurich
Beethovenstrasse 21
CH-8002 Zurich

In participation with the Austrian Society of Reproductive Medicine
and Endocrinology

Chair

Wolfgang Klietmann, MD

Lecturer on Pathology
Harvard Medical School
Boston, MA, USA

Co-Chair

Herbert Zech, MD

Univ. Prof.
Institute for Reproductive Medicine
Bregenz, AUT

Session Topics

Clinical Aspects of Stem Cell Therapies

- State of the Art Procedures
- Clinical Trials
- New Developments

Culture, Expansion and Cryopreservation of Stem Cells

Regenerative Medicine – Will Replacement Tissue Grown
from Stem Cells Disrupt the Pharmaceutical and
Medtec Industries?

The Swiss Association of gynaecology and obstetric (SGGG) evaluates the Friday with 8 and the Saturday with 5 credits for general medical education. You will receive a specific certificate for your participation.

Scientific Secretary

Nicolas H. Zech, MD
www.iscb-zurich.com

- 9:00 Welcome Stem Cell Research at the Core of the Life Sciences:
the Forces driving the Biotechnology Industry.
 Wolfgang Klietmann (Harvard Medical School, USA)
- Welcome remarks The Promise of Stem Cell Based Medicine for Public Health
 - Thomas Zeltner (Head of the Swiss Federal Office of Public Health)
 - University of Zurich, SUI, N.N.
 - Swiss Federal Institute of Technology Zurich, SUI, N.N.
- Session 1 Chair Karl-Heinz Preisegger, Gottfried Dohr
- Stem Cell Research: New Frontiers of Law, Policy and Ethics.
 Christopher T. Scott (Stanford Center for Biomedical Ethics, USA)
- 10:45 **Coffe Break/Networking**
- 11:00 Improving Outcomes after Umbilical Cord Blood Transplantation.
 Claudio Brunstein (University of Minnesota, USA)
- Analysis of Hematopoietic Cell Transplants using Plasma-Depleted Cord Blood Products
 that are not Red Blood Cell Reduced.
 Robert Chow (StemCyte International Cord Blood Center, USA)
- 12:15 **Luncheon**
- 13:15 **Panel Discussion**
 Inaugural-Symposium: The Need for an «Institute for Stem Cell Biology –
 Research and Therapies: Bench-to-Bedside».
 Wolfgang Klietmann, Herbert Zech, University Zurich, (N.N.), Swiss Federal Institute of
 Technology Zurich (N.N.), Francis A. Waldvogel, Thomas Zeltner, David T. Scadden,
 Sven Bradke (Moderator)

Session 2

Chair Roland Zimmermann, Hendrik Tevaearai

14:00

Hematopoietic Stem Cells and their Niche.

David T. Scadden (Harvard Stem Cell Institute, USA)

Advances in the Allogeneic Transplantation for Thalassemia.

Guido Lucarelli (University of Roma Tor Vergata, ITA)

Umbilical Cord Blood Transplantation for Hemoglobinopathies.

Tang-Her Jaing (Chang Gung Children's Hospital, TPE)

15:45

Coffe Break/Networking

Session 3

Chair Dominique Charron, Gottfried Dohr

16:00

A Phase I Clinical Trial with Donor Mesoangioblasts in Duchenne Muscular Dystrophy: Perspectives and Problems.

Giulio Cossu (H.S. Raffaele, ITA)

Interactions between Stem Cells and their Niche for Maintenance of Stemness – Clinical Relevance.

Anthony-Dick Ho (University of Heidelberg, GER)

Autologous White Blood Cell Transfusion: toward a Younger Immunity.

Dominique Charron (INSERM, FRA)

Adipose Derived Stem Cells: Phenotype, Function, and Clinical Targets.

Albert D. Donnenberg (University of Pittsburgh, USA)

19:00

Reception

19:30

Conference Dinner

9:00

Opening Remarks and Introduction

		Wolfgang Klietmann (Harvard Medical School, USA)
Session 4	Chair	Francis A. Waldvogel, Nicolas H. Zech
		Challenges and Approaches to the Culture of Clinical Grade Pluripotent human Embryonic Stem Cells. Outi Hovatta (Karolinska Institute, SWE)
		Controlling Cell Interaction Networks to Guide Umbilical Cord Blood – Derived Stem Cell Expansion. Peter Zandstra (University of Toronto, CAN)
		Targeting the Leukemic Stem Cell Compartment in CML. Dominik Wolf (University of Innsbruck, AUT)
11:00		Coffe Break/Networking
Session 5	Chair	Outi Hovatta, Marisa Jaconi
11:15		Progress in Derivation and Testing of Individual and Disease Specific hESC. Yury Verlinsky (Reproductive Genetics Institute, Chicago, USA)
		A Hypothesis for an Embryonic Deposition of Pluripotent Stem Cells in Adult Bone Marrow and other Tissues. Mariusz Z. Ratajczak (University of Louisville, USA)
		Human Embryonic Stem Cells for Early Embryonic Toxicity Screening and Assessment: the GIGA-ULg’s Context and Perspectives. Luc Grobet (University of Liège, BEL)
		Will Replacement Tissues grown from Patients’ own adult Stem Cells disrupt the Pharmaceutical and Medtech Industries? Colin E. Bishop (Wake Forest Institute for Regenerative Medicine, USA)
13:30		Coffee, Snacks, Farewell

Fees

Congress	500 Euro
Reception/Dinner	80 Euro

www.iscb-zurich.com

Registration

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Room Reservation

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Park Hyatt Zurich
Beethovenstrasse 21
CH-8002 Zurich
Phone ++41 43 883 12 34
Fax ++41 43 883 12 35
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Invited Speakers and Session Chairmen

Colin E. Bishop | Prof, PhD, Director of the Genetics and Developmental Biology Program, Wake Forest Institute for Regenerative Medicine, Winston Salem, North Carolina, USA

Claudio Brunstein | MD, PhD, Ass Prof, Hematology, Blood and Marrow Transplant Program, University of Minnesota, Minneapolis, USA

Dominique Charron | MD, PhD, Director INSERM U662, Paris, FRA

Robert Chow | MD, AM, Vice Chairman, Founder and Global Medical Director, StemCyte International Cord Blood Center, California, Arcadia, USA

Giulio Cossu | Prof, MD, Director of the Stem Cell Research Institute, San Raffaele Scientific Institute, Milan, ITA

Gottfried Dohr | Prof, MD Director of the Institute of Cell Biology, Histology and Embryology/Center of Molecular Medicine, Medical University Graz, AUT

Albert D. Donnenberg | MD, PhD, Director, UPCI Flow Cytometry Facility, Director, UPMC Hematopoietic Stem Cell Laboratory, University of Pittsburgh, USA

Luc Grobet | Prof, Vice-President, Morphologie et Pathologie - Unité d'Histologie et d'Embryologie, University of Liège, BEL

Anthony-Dick Ho | Prof, MD, Chair of the Department of Medicine V, University of Heidelberg, GER

Outi Hovatta | Prof, MD, Departement of Clinical Science, Intervention and Technology, Division of Obstetrics and Gynaecology, Karolinska Institute, Karolinska University Hospital Huddinge, Stockholm, SWE

Marisa Jaconi | PhD, Stem Cell Team-Director, Department of Pathology and Immunology, University of Geneva, SUI

Tang-Her Jaing | MD, Divisions of Hematology and Oncology, Department of Pediatrics, Chang Gung Children's Hospital, Taoyuan, TPE

Wolfgang Klietmann | MD, Lecturer on Pathology, Harvard Medical School, Boston, USA

Guido Lucarelli | Prof, MD, Director, International Centre for Transplantation in Thalassemia and Sickle Cell Anemia, Mediterranean Institute of Hematology, University of Rome Tor Vergata, Rome, ITA

Karl-Heinz Preisegger | Prof, MD, CEO Eccocell Europa GmbH, GER

Mariusz Z. Ratajczak | MD, PhD, Director of Stem Cell Institute, James Graham Brown Cancer Center, University of Louisville, USA

David T. Scadden | MD, Co-Director, Harvard Stem Cell Institute, Boston, USA

Christopher T. Scott | MA, BA, BS, Director, Program on Stem Cells in Society, Senior Research Scholar, Stanford Center for Biomedical Ethics, Palo Alto, USA

Gerhard Schmitt | Prof, MD, Vice President of Planning and Logistics (VPPL), Swiss Federal Institute of Technology Zurich, SUI

Hendrik Tevæarai | MD, PD, eMBA HSG, Head Research & Development, Clinic for Cardiovascular Surgery, University Hospital Berne, SUI

Francis A. Waldvogel | Prof, MD, President Emeritus of the Swiss Federal Institutes of Technology, President foundation's management council Novartis Venture Fund, Basel, SUI

Dominik Wolf | MD, Head of Laboratory of Tumourimmunology, Department Hematology and Oncology, Medical University of Innsbruck, AUT

Yury Verlinsky | PhD, Director of the Reproductive Genetics Institute, Chicago, USA

Peter Zandstra | PhD, Canada Research Chair in Stem Cell Bioengineering, Institute of Biomaterials and Biomedical Engineering, University of Toronto, CAN

Nicolas H. Zech | MD, Department of Obstetrics and Gynaecology

Thomas Zeltner | Prof, MD, Director General, Professor, Swiss Federal Office of Public Health, Bern, SUI

Roland Zimmermann | Prof, MD, Head of Department of Obstetrics, University Hospital Zurich, SUI