



Frontiers in Cancer Stem Cell Research: From basic science towards a cure

Holmenkollen Park Hotel

2nd - 4th of December 2009

Wednesday 2nd of December

10.00 **Registration**
Posters are handed in and mounted by us

13.00 *Lunch*

Opening

14.00 Opening by Anne-Grete Strøm-Erichsen, the Norwegian Minister of Health
Welcome by Ola Myklebost

Oslo Cancer Cluster Keynote Lecture

Chair: Ola Myklebost

14.10 **Pier Giuseppe Pelicci**, *Milan, Italy*
Biological Properties of Cancer Stem Cells

Session I: Stemcellness in tumours I

Chair: Rolf Bjerkevig

15.00 **Christopher Heeschen**, *Madrid, Spain*
Pancreatic Cancer Stem Cells – Insights and Perspectives

15.30 **Christiane Bruns**, *Munich, Germany*
Cancer stem cells - target for cancer therapy?

16.00 *Coffee*

Session II: Stemcellness in tumours II

Chair: Steinar Aamdal

16.30 **César Cobaleda**, *Madrid, Spain*
The role of cellular plasticity in oncogenic reprogramming

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17.00 **Ron McKay**, *Bethesda, USA*
Cell interactions that control stem cells in mammals

18.30 *Bus to new Institute for Cancer Research Building*

EACR Keynote lecture

19.00 Welcome by Erik Boye,
Hydro's Fund and Institute for Cancer Research

Introduction by Anne-Lise Børresen-Dale, President of EACR

19.15 **Hans Clevers**, *Utrecht, The Netherlands*
Lgr5 Intestinal Stem Cells in self-renewal and cancer

20.00 - 22.00 *Tapas, posters and mingling.*

22.00 *Bus back to hotel*

Thursday 3rd of December

Cancer Society Keynote Lecture

Supported by a grant from Dentist Aase and Wife's Donation

Chair: Jannikke Ludt, The Norwegian Cancer Society

09.00 **William Matsui**, *Baltimore, USA*
The clinical translation of cancer stem cells in B cell malignancies

Session III: Applying stem cell knowledge in today's treatment

Chair: Gustav Gaudernack

10.00 **Hugues de Thé**, *Paris, France*
LIC clearance by treatment-induced oncogene degradation

10.30 **Andreas Trumpp**, *Heidelberg, Germany*
Dormancy in Stem Cells

11.00-11.30 *Coffee*

Session IV: Stem cell programs in cancer

Chair: Stefan Krauss

11.30 **Eduard Batlle**, *Barcelona, Spain*
Intestinal stem cell genes in colorectal cancer

12.00 **Mahendra Rao**, *San Diego, USA*
Neural stem cells and cancer

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12.30 **Eric Chi Wai So**, *London, UK*
Dissecting the Molecular Pathways Mediating Self-Renewal of Leukemic Stem Cells

13.00 Poster prize by Bjarte Reve, OCC

1300 - 1400 *Lunch*

Session V: Stem cell signalling in tumours

Chair: Harald Stenmark

14.15 **Ariel Ruiz i Altaba**, *Geneva, Switzerland*
Hedgehog-GLI1 signalling is essential in epithelial tumour cells and drives cancer stem cell expansion

14.45 **Rune Toftgard**, *Stockholm, Sweden*
Hedgehog signalling in skin cancer and tissue stem cells

15.15 **Urban Lendahl**, *Stockholm, Sweden*
Notch signalling in stem cells and cancer

15.45-16.15 *Coffee*

Session VI: Stem-like cells in breast cancer

Chair: Gunhild Mælandsmo

16.15 **Marc LaBarge**, *Berkeley, USA*
The role of the microenvironment in organizing and maintaining lineage-specific domains in mammary gland

16.45 **John Stingl**, *Cambridge, UK*
Mammary stem and progenitor cells: Understanding the cellular context of breast tumours

17.15 **Ole W. Petersen**, *Copenhagen, Denmark*
Routes to breast cancer heterogeneity: Prospective cloning of functionally distinct subpopulations by use of markers from a normal human breast lineage hierarchy

18.15 *Buses to the City Hall (Rådhuset)*

19.00 Reception by the Mayor of Oslo at the Town hall

Drinks & light snacks

Dinner for speakers / Free evening for participants

Friday 4th of December

Session VII: Determination of cell fate

Chair: *Philippe Collas*

- 09.00 **Amanda Fisher**, *London, UK*
Stem Cells and Epigenetic Reprogramming
- 09.30 **Tracy-Ann Read**, *Durham, USA*
Cancer Stem Cells Reflect the Origin of Pediatric Brain Tumours
- 10.00 **Maarten van Lohuizen**, *Amsterdam, The Netherlands*
Role of Polycomb repressors in stem cells, cancer and development
- 10.30 **Peter Dirks**, *Toronto, Canada*
Self renewal and lineage commitment in brain tumour stem cells
- 11.00 – 11.30 *Coffee*

Session VIII: Lessons from embryonic systems

Chair: *Ragnhild Lothe*

- 11.30 **Ralph A. Neumüller**, *Vienna, Austria*
Controlling the balance between self-renewal and differentiation in
Drosophila neural stem cells
- 12.00 **Monica Gotta**, *Geneva, Switzerland*
Asymmetric division in *C. elegans*
EMBO Young Investigator Lecture
- 12.30 **Peter Andrews**, *Sheffield, UK*
Human Embryonic Stem Cells: Commitment, Adaptation and Cancer
- 13.00 – 14.00 *Lunch*

Session IX: Epithelial-mesenchymal transition

Chair: *Ola Myklebost*

- 14.15 **Thomas Brabletz**, *Freiburg, Germany*
Tumour invasion and metastasis: EMT and cancer stem cells
- 14.45 **Sendurai Mani**, *Houston, USA*
Generation of Stem-Like Cells via EMT: A New Twist in Tumour Initiation
and Progression
- 15.15 **Christina Scheel**, *Cambridge, USA*
Formation and Maintenance of Stem Cell Traits induced by EMT

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15.45 *Closing remarks*

16.00 *End*