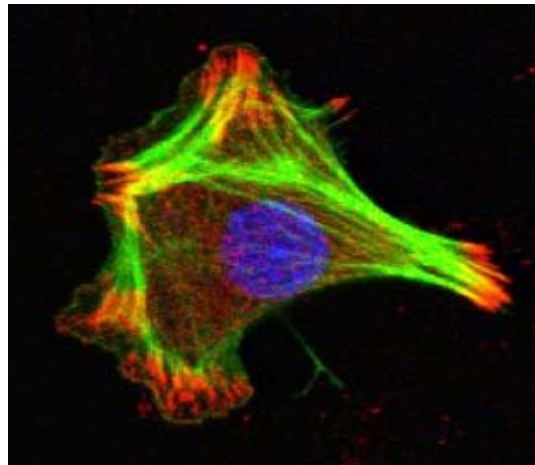


NorIMM Workshop on Primary Cells from Mice

October 20-21, 2011
Biocenter Copenhagen, Denmark



Isolation, culture and use of primary mouse cells in biomedical research

Cell types: adipocytes, cardiomyocytes, chondrocytes, dermal fibroblasts, ES cells, hematopoietic stem cells, hepatocytes, keratinocytes, mammary epithelial cells, neural stem cells

Scope

Primary mouse cells are crucial tools for the mechanistic phenotype analysis of genetically modified mice. Despite the great scientific potential in the analysis of these untransformed, normal cells, lack of knowledge in the isolation and culture of primary mouse cells often prevents a more widespread use.

The NordForsk supported NorIMM researcher network on “Cell-Matrix Interactions in Health and Disease” (www.norimm.org) is therefore organizing a workshop focusing on the isolation, culture, and use of primary cells of mice in biomedical research. In this meeting, international scientists will present the application of primary cells in the analysis of different mouse tissues ranging from brain to cartilage, demonstrating the power and but also the limitations of primary mouse cells in basic research.

Practical details of primary mouse cell culture will be described in the talks and in addition, all workshop participants will be provided with expert protocols for the different cell types presented.

The meeting will be concluded by a keynote lecture of Henrik Semb from the Danish Stem Cell Center on differentiation of embryonic stem cells.

Location

Biocenter
Ole Maaløes Vej 5
2200 Copenhagen N, Denmark
Seminar room first floor

Organizer:

Cord Brakebusch, BRIC, University of Copenhagen, Denmark

Confirmed speakers:

Attila Aszodi
Ernst-Martin Füchtbauer
Søren Grubb
Jacob Bo Hansen
Marie Sigurd Haseman
Zaal Kokaia
Esben Pedersen
Henrik Semb Sebastian Zellmer
Cedric Zeltz

Registration

There is no participation fee. Participants should register by E-mail to cord.brakebusch@bric.ku.dk.

Program

Thursday, October 20, 2011

- 14.00 - 14.45 Attila Aszodi (LMU Munich, Germany)
Chondrocytes
- 14.45 - 15.30 Cedric Zeltz (University of Bergen, Norway)
Dermal fibroblasts
- 15.30 - 16.00 Coffee break
- 16.00 - 16.45 Zaal Kokaia (Lund University, Sweden)
Neural stem cells
- 16.45 - 17.30 Ernst-Martin Füchtbauer (Univ. of Aarhus, Denmark)
Embryonic stem cells and fibroblasts

Friday, October 21, 2011

- 9.00 - 9.45 Esben Pedersen (Univ. of Copenhagen, Denmark)
Keratinocytes
- 9.45 - 10.05 Jens Vang Petersen (Univ. of Copenhagen, Denmark)
Mammary epithelial cells
- 9.45 - 10.05 Jens-Ole Bock (Sigma)
ZFN targeted mutagenesis of primary cells
- 10.30 - 11.00 Coffee break
- 11.00 - 11.45 Marie Sigurd Haseman (Finse Laboratory, Denmark)
Hematopoietic stem cells
- 11.45 - 12.30 Sebastian Zellmer (Univ. of Leipzig, Germany)
Hepatocytes
- 12.30 - 13.30 Lunch break
- 13.30 - 14.15 Jacob Bo Hansen (Univ. of Copenhagen, Denmark)
Adipocytes
- 14.15 - 15.00 Søren Grubb (Univ. of Copenhagen, Denmark)
Cardiomyocytes
- 15.00 - 16.00 *Keynote lecture:*
Henrik Semb (Univ. of Copenhagen, Denmark)
ES cell differentiation