

**Human mesenchymal stem cells  
Empa St. Gallen, Switzerland  
November 07-09, 2005**

## **Preliminary Program**

**Human mesenchymal stem cells  
November 07-09, 2005, St. Gallen, Switzerland**

**Selection, cultivation, phenotyping**

**Monday, November 7, 2005**

**Human mesenchymal stem cells  
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**11.30 Registration and coffee**

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13.30 Welcome note and introduction

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**Selection criteria for mesenchymal stem cells**

**Chair: Arie Bruinink**

**13.45 Keynote Lecture A**

**Moustapha Kassem**

Human Mesenchymal Stem Cell: Isolation from bone marrow based on specific selection criteria

*Moustapha Kassem, University Hospital of Odense, Denmark*

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14.35 High-grade depletion of CD45/ glycophorin-A positive cells decreases the yield of mesenchymal stem cells from human umbilical cord blood

*Ashraf Dada, University of Regensburg, Germany*

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15.00 Phenotype of human fetal mesenchymal stem cells (fMSC): Implications for intrauterine transplantation

*Pascale V. Guillot, Imperial College London, United Kingdom*

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15.25 Towards a consensus protocol for isolation and phenotyping of mesenchymal stem cells (MSCs) from human bone marrow (BM)

*Elena Jones, University of Leeds, United Kingdom*

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**15.50 Coffee break**

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16.20 to be defined

*Katharina Maniura, Empa, St. Gallen*

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16.45 Plasticity and characterisation of single mesenchymal stem cells

*Matthias Schieker, University of Munich Hospital, Germany*

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17.10 to be defined

*Head of Research, Miltenyi Biotec GmbH, Germany*

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17.35 Resumee

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17.45 Organisation evening

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**17.50 Buffet and Poster session**

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**Tuesday, November 8, 2005**

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08.00 Registration and coffee

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08.30 Organisation

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**Cultivation conditions**

**Chair: Katharina Maniura**

**08.35 Keynote Lecture B**

**Richard Oreffo**

Adult and fetal mesenchymal stem cells - culture modulation for lineage differentiation and implications for tissue regeneration

*Richard Oreffo, Southampton General Hospital, United Kingdom*

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09.25 Human bone marrow stromal cells expanded directly within 3D porous scaffolds under perfusion

*Alessandra Braccini, University Hospital of Basel, Switzerland*

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09.50 Distinct growth factor repertoire of human mesenchymal stem cells from bone marrow and adipose tissue

*Thea Hennig, University of Heidelberg, Germany*

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**10.15 Coffee break**

10.45 Evaluation of the expansion and differentiation potential of CD271+ (LNGFR) marrow stromal cells (MSCS) versus MSCs isolated by plastic adherence

*Kathrin Godthard, Miltenyi Biotec GmbH, Germany*

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11.10 Osteogenic differentiation of mesenchymal stem cells on xerogel composites

*Ulrike Bulnheim, University of Rostock, Germany*

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11.35 Isolation and differentiation of fresh cord blood mesenchymal cells

*Sarah Maurice, Technion, Israel*

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12.00 Resumee

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**12.30 Scientific Lunch**

13.30 Organisation

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**Cell Phenotyping**

**Chair: Peter Wick**

**13.35 Keynote Lecture C**

**Ranieri Cancedda**

Mesenchymal Stem/Progenitor Cells: phenotyping and clinical applications

*Ranieri Cancedda, Istituto Nazionale per la Ricerca sul Cancro, Italy*

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14.25 Multilineage differentiation of human mesenchymal stem cells studied by Atomic Force Microscopy

*Serena Danti, University of Pisa, Italy*

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14.50 A tentative approach to the serum-free culturing of human bone marrow stromal cells for clinical applications

*Anita Muraglia, Istituto Nazionale per la Ricerca sul Cancro Genova, Italy*

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**15.15 Coffee break**

15.45 Isolation, phenotype, differentiation and immunological function of mesenchymal fetal membranes cells

*Ornella Parolini, Ospedale Poliambulanza Brescia, Italy*

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16.10 The effect of surface topography on adult human bone marrow cells and trabecular bone-derived osteoblasts

*Arie Bruinink, Empa, Switzerland*

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16.35 CD133 positive Mesenchymal Stem Cells isolated from Umbilical Cord Blood and Mobilized Peripheral Blood

*Tatiana Tondreau, Jules Bordet Institute Brussels, Belgium*

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17.00 Resumee

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17.10 Organisation evening

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**18.30 Meeting point down town; sightseeing and Workshop dinner**

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**Wednesday, November 9, 2005**

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08.00 Registration and coffee

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08.30 Organisation

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**Overview and Outlook**

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**08.35 Keynote Lecture D** **Heide Siggelkow**

Human mesenchymal progenitor cells isolated from bone fragments -  
methodological aspects, actual and potential use in diagnostic and therapy  
*Heide Siggelkow, University Hospital of Goettingen, Germany*

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09.25 Round table part 1

*Chair: Arie Bruinink, Empa, Switzerland*

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**10.15 Coffee break**

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10.45 Round table part 2

*Chair: Katharina Maniura, Empa, Switzerland*

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**11.45 Closing remarks**

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**12.00 End**

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For further information please contact our Workshop Office:

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