



Autumn meeting : Cell Adhesion and Communication
October 13-14, 2016 (Ghent)

Organizers: *Prof. Kris Vleminckx*
Prof. Jolanda Van Hengel
Prof. Geert Berx
Prof. Danny Huylebroeck

Program

Thursday – October 13, 2016

8.30 – 9.15 Registration and welcome coffee
9.15 Welcome

Session 1: Cell adhesion in Morphogenesis and Organogenesis

9.30 Dietmar Vestweber (Max Planck Institute for Molecular Biomedicine, Münster, Germany)
Regulation of endothelial cell junctions (Keynote lecture)
10.15 Frederic Lemaigre (UCL, Brussels)
Mechanisms of cell fate decision and morphogenesis in developing liver

10.50 – 11.20 Coffee break + posters

Session 2: Cell adhesion meets Signaling

11.20 Jurgen Behrens (Friedrich-Alexander Universität Erlangen-Nürnberg, Germany)
Regulation of Axin Proteins in Wnt Signaling
11.55 Johan De Rooij (University Medical Center Utrecht, the Netherlands)
Mechanotransduction at the cadherin-actomyosin interface

Poster teasers

12.30 Bieke Vanslembroeck (Ghent University)
Ultra structure of the intercalated disc in murine cardiomyocard revealed by volume electron microscopy
12.36 Ismail Sahin Gul (Ghent University)
Unraveling the molecular evolution of catenins: Characterization of catenins in lower metazoa

12.42 – 14.00 Lunch + Poster Session 1

Session 3: Cell Adhesion meets Neural Development

14.00 Alain Chedotal (Université Pierre et Marie Curie, Sorbonne Universités, Paris, France)
Development and evolution of brain commissures

14.35 André Goffinet (UCL, Brussels)
Planar cell polarity and brain development

Selected oral presentations

15.10 Tim Pieters (Ghent University)
p120 Catenin-Mediated Stabilization of E-cadherin is Essential for Primitive Endoderm Specification

15.22 Pancho Yanza (KULeuven)
Deciphering the role of Pcdh19 in interneuron migration, a key to understand EFMR

15.34 Giel Tanghe (Ghent University)
RIPK4 maintains epidermal barrier integrity by regulating tight junction proteins levels

15.46 – 16.25 Coffee break

16.25 Dietmar Schmucker (KULeuven)
Diversity, Specificity and Signaling of CAM-receptors during neuronal development

17.00 Announcement winner of BSCDB PhD Excellence Award 2016

17.10 Presentation laureate BSCDB PhD excellence award

18.00 Reception

Friday, October 14, 2016

8.30 – 9.00 Registration + Coffee

Session 4 – Focus on Cancer

9.10 Cedric Blanpain (KULeuven)
Cancer cell of origin and tumor heterogeneity (Keynote lecture)

9.50 Olivier De Wever (UGent)
Radiotherapy-induced damage to cancer-associated fibroblasts promotes colorectal cancer progression: impact of soluble factors and extracellular vesicles

Selected short presentations

10.25 Andreia V. Pinho (VUB Brussels)
Altered slit-robo signaling activates pro-tumorigenic pathways in pancreatic cells

10.37 Niels Van Damme (Ghent University)
Subpopulations of melanoma cells with distinct biological properties exhibit varying levels of ZEB proteins

10.49 Thomas Naert (Ghent University)
CRISPR/Cas9 mediated knockout of rb1 and rbl1 leads to rapid and penetrant retinoblastoma development in Xenopus tropicalis

11.01 – 11.30 Coffee break + posters

Session 5 – Touching the Skin

11.30 Carien Niessen (University of Cologne, Germany)

Cadherin dependent integration of mechanical and chemical signals in control of epidermal barrier formation and function

12.05 Wen-Hu Lien (UCL, Brussels)

To β or not to β : Wnt Signaling Pathways in Skin Epidermal Stem Cells and Tumorigenesis

12.40 – 14.00 Lunch + Poster session 2

14.00 Walter Birchmeier (Max Delbrück Center for Molecular Medicine in the Helmholtz Society, Berlin, Germany)

Wnt/beta-catenin controls carcinomas and cancer stem cells by epigenetic mechanisms (Keynote lecture)

14.45 Award BSCDB poster prizes

14.50 Closing BSCDB Scientific Meeting

15.30 Honorary session - Frans Van Roy – a history in cancer invasion and cell adhesion

Overview scientific achievements

Laudatio by the Department of Biomedical Molecular Biology, the Inflammation Research Center and the Faculty of Sciences

17.00 **Reception**