

30th UK Adhesion Meeting
University College London: September 20 and 21, 2018
Cell Adhesion in the regulation of cell behaviour

Day 1

- 12pm Registration
12.25 Welcome
12.30 Heidi Welch (The Babraham Institute)
Rac-GEFs in Neutrophil Adhesion and Migration

Leukocytes and blood vessels

- 13.00 Sophie Acton (University College London)
Dendritic cells control conduit remodelling during acute lymph node expansion
13.30 Ruban Durairaj (Cardiff University)
Tracking and end stage analysis of tumour infiltrating lymphocytes (TILs) following adoptive cell therapy with L-selectin enhanced T-cells
13.45 Jose M. Munoz-Feliz (Queen Mary University of London)
Promoting immunopermissive tumour microenvironment and enhancing the efficacy of immunotherapy of NSCLC using new integrin-target agent
14.00 Jaap Van Buul (Sanquin Research Institute)
Stiffness-induced endothelial Dlc1 expression forces leukocyte spreading through stabilization of the ICAM-1 adhesom
14.15 Akiyoshi Uemura (Nagoya City University)
Inflammation, barrier breakdown, and fibrosis in pericyte-deficient retina

Break

Adhesion, cell polarity and cell competition

- 14.45 David Bryant (CRUK Beatson Institute)
The phospholipid PI(3,4)P2 is an apical identity determinant
15.15 Frederick Campbell (Queen's University Belfast)
Src regulation of adhesion mediated morphogenesis via cortical ezrin
15.30 Sophie Busson (University College London)
MARVELD3 and the regulation of inflammatory signalling in epithelia
15.45 Katarzyna Anton (University College London)
Src-transformed cells hijack mitosis to extrude from the epithelium
16.00 William Hill (Cardiff University)
Elimination of Kras^{G12d} mutant cells from the pancreas via heterotypic cell-cell interactions with non-transformed neighbours
16.15 Jan Wijnholds (University of Leiden)
Photoreceptor and Müller glial cell adhesion mediated by CRB1 and CRB2
16.45 **Poster session and drinks**
19.00 Meeting Dinner

Day 2

Stem cell differentiation, development, aging and repair

- 9.00 Martin Baron (University of Manchester)
Notch regulation of stem-cells in Drosophila: looking beyond ligand-dependent activation
9.30 Evelyne Bloch-Gallego (Institut Cochin)
TRIO GEF mediates RhoA activation downstream of slit2 and coordinates telencephalic wiring
9.45 Robert Beal (University College London)
Embryonic lethality in ARHGEF^{-/-} mice due to impaired placenta development
10.00 Loic Rolas (Queen Mary University of London)
Mast cells and endothelial cell ACKR1: Novel determinants of ageing related systemic inflammation?
10.15 Brian Wang (Imperial College)
Self-assembling integrin ligands increase sarcoplasmic reticulum contribution to human cardiomyocyte excitation-contraction coupling

Cell-cell adhesion

- 10.30 Carien Niessen (University of Cologne)
Cadherin and polarity signalling in epithelia barrier formation and regeneration
11.00 Helen K Matthews (University College London)
The balance between substrate and cell/cell adhesion controls cell shape in mitosis
11.15 Christopher Schulz (Queen Mary, University of London)
Endothelial cell junctional adhesion molecule-C (JAM-C) is trafficked between junctions and endosomes in a ubiquitination-dependent manner
11.30 Jui-Hsien Chang (University College London)
Both paracellular and transcellular leakage pathways are operational at the blood-neural barrier
11.45 Mannion Aarren (University of Leeds)
CD99 regulates cancer-endothelial cell interactions during metastatic dissemination

Break

Adhesion and migration

- 13.00 Maddy Parsons (King's College London)
Control of actin dynamics in migrating cells
13.30 Jamie Whitelaw (CRUK – Beatson Institute)
Unravelling the mechanisms that connect focal adhesion turnover and cell migration to the scar/wave complex
13.45 Joseph Hetmanski (University of Manchester)
Membrane tension coordinates rear retraction in matrix directed cell migration
14.00 Lorna Young (Dartmouth College)
Focal adhesions are composed of 300 nm width units, and mature via longitudinal splitting events
14.15 Ben Goult (University of Kent)
The talin code: Deciphering mechanotransduction using structural mechanobiology
14.30 Anne Ridley (University of Bristol)
Rho GTPase networks regulating cell migration
15.00 Concluding remarks and Poster prize