

**ECMC2019**  
**European Chemokine and Cell Migration Conference**

Day 1 (Wednesday, 26 June 2019)

18:00-18:15 Welcome

18:15-18:45 Discovering Salamanca/University of Salamanca

**Plenary lecture**

18:45-19:00 Chairman: Gerry Graham (UK)

19:00-20:00 Ronen Alon (Israel) *Chemokine and integrin signals for leukocyte extravasation: implications for immunity and vaccination*

20:00-22:00 Welcome Reception

Day 2 Thursday, 27 June 2019

**Session: Tissue homeostasis**

09:00-09:15 **Charmain** Bernhard Moser (UK)

09:15- 09:45 Andrés Hidalgo (Spain) *Homeostatic control of neutrophil migration*

09:45-10:15 Reinhold Förster (Germany) *Homing of activated, lymph-derived T cells requires mechanical arrest and integrin-supported chemokine guidance*

Short Talks

10:15-10:30 Tanja N. Hartmann (Germany) *Absence of kindlin-3 in B cells abrogates integrin activation by chemokines and B-cell receptor stimulation and causes loss of marginal zone B cells*

10:30-10:45 Julia C. Gutjahr (UK) *The interplay of chemokine receptors ACKR1 and CXCR4 on bone marrow erythroid cells*

10:45-11:00 Ariadni Kouzeli (UK) *Synergistic interaction of CXCL14 with homeostatic and inflammatory chemokines*

11:00-11:30 Coffee break

**Session: Tissue disease**

11:30-11:45 **Charmain** Phil Murphy (USA)

11:45-12:15 Françoise Bachelier (France) *Host/Human Papillomavirus interactions: CXCL12 signaling in the commensal to pathogenic transition*

12:15-12:45 Raffaella Bonecchi (Italy) *ACKR2 a checkpoint for immune responses against metastasis*

Short Talks

12:45-13:00 Marco E. Bianchi (Italy) *Diflunisal targets the HMGB1/CXCL12 heterocomplex and blocks immune cell recruitment*

13:00-13:15 Vincent Rondeau (France) *Maintenance and differentiation of adult skeletal mesenchymal stromal elements and hematopoietic multipotent progenitors require efficient CXCR4 desensitization*

13:15-13:30 Industrial sponsor pitches session

13:30-15:30 LUNCH

15:30-17:00 **POSTER SESSION & FLASH PRESENTATIONS**

**Session: Immune response**

17:00-17:15 **Charmain** Marcus Thelen (Switzerland)

17:15-17:45 Jens V. Stein (Switzerland) *Chemokine-dependent and -independent migration modes during CD8+ T cell immune responses*

17:45-18:15 Yolanda R. Carrasco (Spain) *Shaping cell dynamics to regulate B cell function: molecular mechanisms involved*

Short Talks

18:15-18:30 Njabulo Ngwenyama (USA) *CXCR3 Regulates CD4+ T Cell Cardiotropism in Pressure Overload Induced Cardiac Dysfunction Through Mechanisms Involving ICAM-1-Mediated Adhesion*

18:30-18:45 Annalisa Del Prete (Italy) *The atypical receptor CCRL2 is essential for lung cancer immune surveillance*

18:45-19:00 Valeria Mollica-Poeta (Italy) *A conditional and reporter mouse as new tool to study the expression and the function of ACKR2 in homeostasis and tumors*

19:00-19:15 Caroline Anderson (UK) *Dual roles for CCL17 and CCL22 in CCR4-driven Th2 recruitment and in ACKR1-mediated retention of recirculating T cells in the bone marrow*

19:30-20:30 University of Salamanca TOUR

Day 3 Friday, 28 June 2019

**Session: Cell migration and signaling**

09:00-09:15 **Charmain** Mariagrazia Uguccioni (Switzerland)

09:15- 09:45 Daniel F. Legler (Switzerland) *Function of the membrane microdomain protein flotillin 2 in dendritic cell migration*

09:45- 10:15 Javier Redondo-Muñoz (Spain) *How chemokines influence on epigenetic changes and the nuclear dynamics of leukemic cells*

Short Talks

10:15-10:30 Gianluca D'Agostino (Switzerland) *The role of  $\beta$ -arrestins in cytoskeleton remodeling, chemotaxis and CXCR4 expression in cells stimulated with the CXCL12/HMGB1 heterocomplex*

10:30-10:45 Gertrud M. Hjorto (Denmark) *Free GAG binding CCL21-tail boosts chemokine signaling and chemotactic potency*

10:45-11:00 Laura Medina-Ruiz (UK) *Generation of a reporter mouse strain for the inflammatory CC chemokine receptors Ccr1, Ccr2, Ccr3 and Ccr5*

11:00-11:30 Coffee break

**Session: Cell Migration: beyond the chemokines**

11:30-11:45 Charmain Ronen Alon (Israel)

11:45-12:15 Susanna C. Fagerholm (Finland) *Beta2-integrins in immune cells: New roles for old players*

12:15-12:45 Michael Sixt (Austria) *Combining local and global navigation during leukocyte trafficking*

Short Talks

12:45-13:00 Joaquín Teixidó (Spain) *Role of the  $\beta 1$  integrin-binding partner ICAP-1 in immune cell adhesion and differentiation*

13:00-13:15 Pablo Vargas (France) *The microenvironments' complexity defines chemotaxis in leukocytes*

13:15-13:30 Douglas P. Dyer (UK) *Proteoglycans as mediators of the immune system; Chemokines and glycosaminoglycans collaboratively regulate leukocyte recruitment*

13:30-15:30 LUNCH

15:30-17:00 **POSTER SESSION**

**Session: Cell Migration: Cancer**

17:00-17:15 Charmain Antal Rot (UK)

17:15- 17:45 Mirella Georgouli (UK) *Regional activation of Myosin II in cancer cells drives tumour progression via a secretory cross-Talk with the Immune microenvironment*

17:45- 18:15 Lasse Jensen (Sweden) *Zebrafish models to study cancer cell migration and metastasis*

Short Talks

18:15- 18:30 Giovanni Bernardini (Italy) *CXCR3 controls anti-myeloma efficacy of NK cells adoptively transferred for immunotherapy*

18:30- 18:45 Paloma Sánchez-Mateos (Spain) *CCL20 Expression by Tumor-Associated Macrophages Predicts Progression of Human Primary Cutaneous Melanoma*

**Special Session: Time Line of chemokines & general discussion**

19:00-20:00 Sergio Lira (USA)

Day 4 Saturday, 29 June 2019

**Session: Chemokine Antagonists: Drug Discovery**

09:00-09:15 **Chairman** Thomas J. Schall (USA)

09:15- 09:45 Martin Gustavsson (Denmark) *Molecular Insights into the Mechanism of Chemokine Receptor Ligand Binding and Activation*

09:45- 10:15 Olav Larsen (Denmark) *Selective use of the second extracellular loop and binding pocket of CCRI, -2 and -5 for chemokine responses*

Short Talks

10:15-10:30 Christopher Lynch (UK) *A knottin scaffold directs CXC-chemokine binding specificity of tick evasins*

10:30-10:45 Mieke Metzemaekers (Belgium) *Natural modification of the neutrophil chemoattractant CXCL5 alters CXCR1/2 usage and enhances its monocyte agonistic activity*

10:45-11:15 Coffee break

**Session: Chemokines and infection**

11:15-11:30 **Chairman** Antonio Alcamí (Spain)

11:30-12:00 Heather D. Hickman (USA) *Visualizing Antiviral Effector Cell Biology in vivo*

12:00-12:30 Sergio M. Pontejo (USA) *Identification of anionic phospholipids as new ligands for human and viral chemokines*

Short Talks

12:30-12:45 Santiago F. González (Switzerland) *Inflammatory dendritic cells recognise influenza virus in the trachea via the C-type lectin receptor SIGN-R1 and promote the recruitment of protective NK cells.*

12:45-13:00 Bernard Lagane (France) *Selection of particular CCR5 or CXCR4 conformations as a mechanism of evolution of HIV-1 phenotypic properties*

13:00-13:15 Bruno Hernáez (Spain) *Global transcriptomic analysis of the modulation of the immune response by the ectromelia virus TNF receptor: contribution of the TNF and chemokine binding domains*

13:15-13:30 Laura Bricio-Moreno (USA) *Astrocyte-derived CXCL1 drives neutrophil transmigration and blood-brain barrier permeability in HSV encephalitis*

13:30-15:30 LUNCH

**Special Session: Women in Science**

15:30-16:30 Amanda E.I. Proodfoot (France)

**Session: Biophysical Methods to study cell movement**

16:30-16:45 **Charmain** Maria García-Parajo (Spain)

16:45-17:15 Verena Ruprecht (Spain) *Mechanisms of amoeboid cell transformation and mechanosensitive actomyosin network contractility in confined environments*

17:15-17:45 Grégory Giannone (France) *Deciphering the spatiotemporal and mechanical regulation of actin regulators at the nanoscale*

Short Talks

17:45-18:00 Eva M. García-Cuesta (Spain) *New insights in WHIM receptor biology*

18:00-18:15 Rob Leurs (The Netherlands) *Optical control of chemokine receptor function*

18:15-18:30 Paola Antonello (Switzerland) *The role of ACKR3 in B cell lymphoma transmigration and correlation with IgM expression*

**21:00 Reception and Gala Dinner**

Day 5 Sunday, 30 June 2019

Departure