

Neutrophil Symposium

Official Satellite Symposium of the 2017 La Jolla Immunology Conference

October 16-17, 2017

La Jolla Institute for Allergy and Immunology

9420 Athena Circle

La Jolla, CA 92037

<http://events.liai.org/meetings/neutrophil>

Monday, October 16, 2017

8:30 – 8:40 Welcome by Klaus Ley and the organizers

Lectins and Signaling – Session chairs: Markus Sperandio and Prithu Sundd

8:40 – 9:30 **Rod McEver – Regulation of selectin expression and function**

9:30 – 9:55 *Alexander Zarbock – Role of Skap2 in pathways that regulate integrin activation

9:55 – 10:20 *Alex Marki – Actin in tethers and slings of rolling neutrophils

10:20 – 10:45 Anel Lizcano - Erythrocyte sialoglycoproteins engage siglec-9 on neutrophils to suppress activation

10:45 – 11:15 Coffee-Break

Neutrophil-Dependent Disease Models – Session chairs: Elena Galkina and Zhichao Fan

11:15 – 11:40 *Amlan Ghosh – Plinabulin restores neutrophil production and blunts chemotherapy-induced neutropenia

11:40 – 12:05 *Yuqing Huo – Intracellular adenosine and endothelial-leukocyte interactions

12:05 – 12:30 *Sibylle von Vietinghoff – Vascular inflammation in kidney disease

12:30 – 14:00 Lunch

Innate Immune Functions of Neutrophils – Session chairs: Tim Olson and Alex Marki

14:00 – 14:50 **Sergio Catz – Newly identified molecular mechanisms regulating neutrophil vesicular trafficking and their implications for systemic inflammation**

14:50 – 15:15 *Markus Sperandio – Neutrophil during fetal development

15:15 – 15:40 *Prithu Sundd – Neutrophil-platelet interactions in innate immunity

15:40 – 16:05 Peipei Zhu – Unipotent neutrophil progenitor

Tuesday, October 17, 2017

Integrin Activation – Session chairs: Alexander Zarbock and Craig Lefort

8:00 – 8:50 **Cliff Lowell – Calcium signaling during neutrophil activation**

8:50 – 9:15 *Zhichao Fan – Leukocyte integrin activation during arrest and spreading

9:15 – 9:40 *Craig Lefort – Integrin activation and neutrophil trafficking

9:40 – 10:10 Coffee-Break

Experimental Medicine – Session chairs: Peipei Zhu and Sibylle von Vietinghoff

10:10 – 10:35 *Ed Damiano – The long and winding road to the bionic pancreas

10:35 – 11:00 *Tim Olson – Targeting the marrow microenvironment to improve donor engraftment after hematopoietic stem cell transplantation

11:00 – 11:50 **Jamey Marth – Secreted protein aging and turnover in the inflammation of sepsis**

13:00 Start of La Jolla Immunology Conference

