

# KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

## Myeloid Cells (D2)

April 8-12, 2018 • Beaver Run Resort • Breckenridge, Colorado, USA

Scientific Organizers: Edward J. Pearce, Florent Ginhoux and Ana-Maria Lennon-Duménil

Supported by the Directors' Fund

Abstract & Scholarship Deadline: December 7, 2017 / Abstract Deadline: January 9, 2018 / Discounted Registration Deadline: February 7, 2018

### SUNDAY, APRIL 8

#### Arrival and Registration

### MONDAY, APRIL 9

#### Welcome and Keynote Address

**Kenneth M. Murphy**, HHMI/Washington University School of Medicine, USA  
*Dendritic Cell Differentiation*

#### Ontogeny and Differentiation

**Florent Ginhoux**, Singapore Immunology Network, Singapore  
*Ontogeny of Myeloid Cells*

**Joachim L. Schultze**, LIMES Institute, University of Bonn, Germany  
*Monocyte Differentiation*

**Ido Amit**, Weizmann Institute, Israel  
*The Power of One: Immunology in the Age of Single Cell Genomics*

#### Short Talk(s) Chosen from Abstracts

#### Priming and Tolerance

**Miriam Merad**, Mount Sinai School of Medicine, USA  
*Macrophage Functions in Tissues*

**Caetano Reis e Sousa**, Francis Crick Institute, UK  
*Dendritic Cells in the Regulation of Immune Responses*

**Jordi C. Ochando**, Mount Sinai School of Medicine, USA  
*Macrophages in Transplantation*

#### Short Talk Chosen from Abstracts

#### Poster Session 1

### TUESDAY, APRIL 10

#### Inflammation

**Andrés Hidalgo**, Fundación CNIC, Spain  
*Life Cycle of Neutrophils*

**Mariana Kaplan**, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, USA  
*Neutrophils in Autoimmune Diseases*

**Mihai G. Netea**, Radboud University, Netherlands  
*Innate Immunity in Sepsis*

**William C. Gause**, Rutgers New Jersey Medical School, USA  
*Neutrophil Subsets in Pulmonary Inflammation*

#### Short Talk(s) Chosen from Abstracts

#### Regeneration/Repair/Development

**Paul Martin**, University of Bristol, UK  
*Macrophages in Wound Repair*

**Sonia Garel**, INSERM, France  
*Microglia and Neurons Interaction during Development*

**Walter G. Ferlin**, NovImmune SA, Switzerland  
*Selective CD47 Targeting to Harness Macrophage Activity to Control Tumour Growth*

#### Short Talk Chosen from Abstracts

#### Poster Session 2

### WEDNESDAY, APRIL 11

#### Activation

**Luke A. J. O'Neill**, Trinity Biomedical Sciences Institute, Ireland  
*Mitochondrial Repurposing during Macrophage Activation*

**Edward J. Pearce**, Max Planck Institute of Immunobiology and Epigenetics, Germany  
*Metabolic Control of Alternative Macrophage Activation*

**Ana-Maria Lennon-Duménil**, Curie Institute, France  
*Nutrient Sensing and Dendritic Cell Migration*

**Rab K. Prinjha**, GlaxoSmithKline, UK  
*Epigenetic Changes during Activation*

#### Short Talk(s) Chosen from Abstracts

#### Cancer

**Romina S. Goldszmid**, NCI, National Institutes of Health, USA  
*Microbiome and Cancer*

**Catherine (Lynn) Hedrick**, La Jolla Institute for Allergy and Immunology, USA  
*Monocytes in Tumor Metastasis*

**Matthew F. Krummel**, University of California, San Francisco, USA  
*Imaging of Myeloid Cell in Tumors*

#### Short Talk Chosen from Abstracts

#### Poster Session 3

### THURSDAY, APRIL 12

#### Niche Specialization

**Alison Clare Lloyd**, University College London, UK  
*The Role of Macrophages in Peripheral Nerve Homeostasis and Regeneration*

**Clint S. Robbins**, Toronto General Research Institute, Canada  
*The Microbiome and Tissue Macrophage Dynamics*

**Gwendalyn J. Randolph**, Washington University, USA  
*Serosal Macrophages*

**Steffen Jung**, Weizmann Institute of Science, Israel  
*Tissue Macrophages*

#### Short Talk(s) Chosen from Abstracts

#### Myeloid Crosstalk

**Venizelos Papayannopoulos**, Francis Crick Institute, UK  
*Neutrophil Extracellular Traps and Macrophage Activation*

**Daniel Robert Engel**, Institute of Experimental Immunology and Imaging, Germany  
*Macrophage Control of Neutrophil Migration*

**Tim Lämmermann**, Max Planck Institute of Immunobiology and Epigenetics, Germany  
*Myeloid Cell Dynamics at Local Sites of Inflammation, Infection and Anaphylaxis*

#### Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

# KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

## Myeloid Cells (D2)

April 8-12, 2018 • Beaver Run Resort • Breckenridge, Colorado, USA

Scientific Organizers: Edward J. Pearce, Florent Ginhoux and Ana-Maria Lennon-Duménil

*Supported by the Directors' Fund*

*Abstract & Scholarship Deadline: December 7, 2017 / Abstract Deadline: January 9, 2018 / Discounted Registration Deadline: February 7, 2018*

**FRIDAY, APRIL 13**

**Departure**