

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)

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FRIDAY, APRIL 13

Departure