

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Myeloid Cells and Innate Immunity in Solid Tumors (S4)

September 20-24, 2020 • Snowbird Resort • Snowbird, Utah, USA

Scientific Organizers: Judith A. Varner, Lisa M. Coussens and Dmitry I. Gabrilovich

Supported by the Directors' Fund

Discounted Abstract & Scholarship Deadline: / Abstract Deadline: / Discounted Registration Deadline: July 22, 2020

SUNDAY, SEPTEMBER 20

Arrival and Registration

MONDAY, SEPTEMBER 21

Welcome and Keynote Address

Robert H. Vonderheide, University of Pennsylvania, USA
Harnessing Myeloid Cells in the Treatment of Cancer

Ontogeny of Myeloid Cells in Cancer

Judith A. Varner, University of California, San Diego, USA
Mechanisms Governing Accumulation of Macrophages in Cancer

David G. DeNardo, Washington University Medical School, USA
Origins of Macrophages in Pancreatic Cancer

Dmitry I. Gabrilovich, Wistar Institute, USA
Monocyte-Like Precursors of Granulocytes in Cancer

Short Talks Chosen from Abstracts

Workshop 1: New Myeloid Therapeutic Targets, Drugs and Biomarkers

Short Talks Chosen from Abstracts

Populations of Myeloid Cells in Cancer

Gwendalyn J. Randolph, Washington University, USA
Serosal Cavity Macrophages - Roles Metastatic Cancer Growth and Spread

Miriam Merad, Mount Sinai School of Medicine, USA
Talk Title to be Announced

Simon T. Barry, AstraZeneca, UK
Therapeutic Targeting of Macrophages and Neutrophils

Short Talks Chosen from Abstracts

Poster Session 1

TUESDAY, SEPTEMBER 22

Metabolism and Transcription of Myeloid Cells in Cancer

Weiping Zou, University of Michigan, USA
Aerobic Glycolysis and Myeloid-Derived Suppressor Cells

Diana Hargreaves, The Salk Institute for Biological Studies, USA
Epigenetic Control of Myeloid Cells in Cancer

Johanna A. Joyce[†], University of Lausanne, Switzerland
Obesity and Tumor associated Macrophages

Speaker to be Announced

Short Talks Chosen from Abstracts

Mechanisms of Immune Suppression Mediated by Myeloid Cells

Vincenzo Bronte, University of Verona, Italy
Induction of Immunosuppressive Functions by FLIP in Monocytes

Jennifer Guerriero, Dana-Farber Cancer Institute, USA
Class IIa HDAC Inhibition Reduces Breast Tumors and Metastases through Anti-Tumor Macrophages

Jo A. Van Ginderachter, VIB-Vrije Universiteit Brussel, Belgium
The Tumor Microenvironment Harbors Ontogenically Distinct Dendritic Cell Populations with Opposing Effects on Tumor Immunity

Short Talks Chosen from Abstracts

Poster Session 2

WEDNESDAY, SEPTEMBER 23

Clinical Significance of Myeloid Cells in Cancer

Florent Ginhoux, Singapore Immunology Network, Singapore
Macrophage and Dendritic Cell Biology: From Development to Functions

Jeffery L. Kutok, Infinity Pharmaceuticals, Inc., USA
Selective Targeting of Myeloid PI3K-gamma with a Small Molecule Inhibitor, IPI-549, in Solid Tumors

David A. Cheresh, University of California, San Diego, USA
Arming Tumor-Associated Macrophages to Reverse Epithelial Cancer Progression

Limin Shang, Light Chain Bioscience, Switzerland
CD47 Targeting in Cancer Therapy

Short Talks Chosen from Abstracts

Myeloid Cells in the Pre-Metastatic Niche

Catherine Hedrick, La Jolla Institute for Immunology, USA
Talk Title to be Announced

Rosandra Natasha Kaplan[†], National Cancer Institute/ National Institutes of Health, USA
Activation of Hematopoietic Stem/Progenitor Cells Promotes Immunosuppression within the Pre-Metastatic Niche

Julio Aguirre-Ghiso[†], Icahn School of Medicine at Mount Sinai, USA
Macrophages Orchestrate Breast Cancer Early Dissemination and Metastasis

Short Talks Chosen from Abstracts

Poster Session 3

THURSDAY, SEPTEMBER 24

Promotion of Tumor Progression by Myeloid Cells

Mikala Egeblad, Cold Spring Harbor Laboratory, USA
Neutrophil Extracellular Traps Drive Metastasis by Altering the Microenvironment

Jeffrey W. Pollard, Queen's Medical Research Institute, UK
Macrophages in Cancer Metastasis

Minna Roh-Johnson, University of Utah, USA
Horizontal Transfer of Macrophage Mitochondria in Cancer

Speaker to be Announced

Short Talks Chosen from Abstracts

Workshop 2: Advances in Technologies to Study Myeloid Cells and Innate Immunity

Short Talks Chosen from Abstracts

Targeting Myeloid Cells in Cancer Therapy

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Lisa M. Coussens, Oregon Health & Science University, USA

Therapeutic Targeting of Macrophages: Lessons Learned from Mouse Models and their Translation to the Clinic

Nagy A. Habib, Imperial College London and MiNA Therapeutics, UK

MTL - CEBPA - Next Generation Immunotherapy Targeting Myeloid Cell Differentiation

Speaker to be Announced

Short Talks Chosen from Abstracts

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

FRIDAY, SEPTEMBER 25

Departure