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Mononuclear Phagocytes in Health, Immune Defense and Disease (D3)

Scientific Organizers: Steffen Jung and Miriam Merad

April 30–May 4, 2017

Hyatt Regency Austin, Austin, Texas, USA

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Abstract Deadline: Jan 31, 2017 [[details](#)]

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Conference Program [Print](#) | [View meeting in 12 hr \(am/pm\) time](#)

The meeting will begin on Sunday, April 30 with registration from 16:00 to 20:00 and a welcome mixer from 18:00 to 20:00. Conference events conclude on Thursday, May 4 with a closing plenary session from 17:00 to 19:00, followed by a social hour and entertainment. We recommend return travel on Friday, May 5 in order to fully experience the meeting.

SUNDAY, APRIL 30

16:00–20:00	Arrival and Registration	Zilker North Lobby
18:00–20:00	Welcome Mixer No registration fees are used to fund alcohol served at this function.	Zilker North Lobby

MONDAY, MAY 1

07:30–08:30	Breakfast	Zilker 1-2
08:30–09:30	Welcome and Keynote Address Registered attendees can view abstracts starting on 03/30/2017 Ruslan M. Medzhitov, HHMI/Yale University School of Medicine, USA <i>Mononuclear Phagocytes in Homeostasis and Inflammation</i>	
09:30–11:45	Mononuclear Phagocyte Development Registered attendees can view abstracts starting on 03/30/2017 Florent Ginhoux, Singapore Immunology Network, Singapore <i>EMBO Young Investigator Lecture: Ontogeny of Mononuclear Phagocytes</i> Coffee Break Frederic Geissmann, Memorial Sloan Kettering Cancer Center, USA	Zilker 3-4

Monocytes (and Macrophages)

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

Deborah R. Winter, Northwestern University, USA
Short Talk: The Transcriptional Program of Synovial Macrophages in Rheumatoid Arthritis

11:45–14:30	On Own for Lunch	
11:45–13:00	Poster Setup	Zilker 1-2
13:00–22:00	Poster Viewing	Zilker 1-2
14:30–16:30	Workshop 1: Monocytes, DC and Macrophages Recent technical advances in profiling and imaging of MNP in healthy tissue and disease context. * Chen Varol† , Sourasky Medical Center and Tel-Aviv University, Israel Helen S. Goodridge , Cedars-Sinai Medical Center, USA <i>Independent Monocyte Production by Granulocyte-Monocyte Progenitors (GMPs) and Monocyte-Dendritic Cell Progenitors (MDPs)</i> Pierre Guermouprez , Kings College London, UK <i>The Heterogeneity of Ly6Chi Monocytes Controls their Differentiation into iNOS+ Macrophages or Monocyte-Derived Dendritic Cells</i> Alexander Mildner , Max-Delbrueck Center Berlin, Germany <i>Genomic Characterization of Murine Monocytes Reveals C/EBP-Beta Dependence of Ly6C-Cells</i> Stefan Uderhardt , , USA <i>Tissue-Resident Macrophages Cloak Tissue Microlesions to Control Neutrophil-Driven Inflammatory Damage</i> Brian T. Edelson , Washington University School of Medicine, USA <i>Regulation of Mononuclear Phagocyte IL-10 Production by Bhlhe40 is Required to Resist Pulmonary Mtb Infection</i> Roxane Tussiwand , University of Basel, Switzerland <i>The Expression of IRF8 Defines Plasmacytoid Dendritic Cell Commitment</i>	Zilker 3-4
16:30–17:00	Coffee Available	Zilker North Lobby
17:00–19:00	Mononuclear Phagocyte Maintenance Registered attendees can view abstracts starting on 03/30/2017 * Deborah R. Winter† , Northwestern University, USA Christopher K. Glass , University of California, San Diego, USA <i>Exploiting natural genetic variation to understand macrophage identity and function</i> Michael H. Sieweke , Centre d'Immunologic Marseille-Luming, France <i>Transcriptional Control of Macrophage Proliferation</i> Bart N. Lambrecht , VIB, Ghent University, Belgium <i>Macrophages, DC and ER Stress</i> Sarah A. Dick , University Health Network, Canada <i>Short Talk: Embryonic Macrophages are Maintained in the Aged Heart and are Required for Repair</i>	Zilker 3-4
19:00–20:00	Social Hour with Lite Bites No registration fees are used to fund alcohol served at this function.	Zilker 1-2

19:30–22:00 **Poster Session 1** [Zilker 1-2](#)

TUESDAY, MAY 2

07:30–08:30 **Breakfast** [Zilker 1-2](#)

08:30–11:30 **Mononuclear Phagocytes at the Tissue Site** [Zilker 3-4](#)

[Registered attendees](#) can view abstracts starting on 03/30/2017

Yasmine Belkaid, NIAID, National Institutes of Health, USA
Homostatic Immunity and the Microbiota

Martin Guilliams, Ghent University - VIB, Belgium
Development and Functional Specialization of Liver-Resident Kupffer Cells

Coffee Break

Brian D. Brown, Mount Sinai School of Medicine, USA
T Cell and DC Interactions in Tissues

Gwendalyn J. Randolph, Washington University, USA
Macrophages in the Serosal Cavity

Sheau Yng Lim, National University of Singapore, Singapore
Short Talk: The Origin and Maintenance of LYVE-1-Expressing Macrophages

11:30–17:00 **On Own for Lunch**

11:30–13:00 **Poster Setup** [Zilker 1-2](#)

13:00–22:00 **Poster Viewing** [Zilker 1-2](#)

16:30–17:00 **Coffee Available** [Zilker North Lobby](#)

17:00–19:00 **Mononuclear Phagocytes in Gut Homeostasis and Inflammation** [Zilker 3-4](#)

[Registered attendees](#) can view abstracts starting on 03/30/2017

Carla V. Rothlin, Yale University, USA
TAM Receptor Signaling in Resolution of Inflammation

Speaker to be Announced

Sarkis K. Mazmanian, California Institute of Technology, USA
Gene-Microbiota Interactions Regulates Intestinal Immunity

Michael F. Goldberg, University of Minnesota, USA
Colonization of Different Phagocyte Subsets Underlies the Pathogenesis of a Persistent Phagosomal Infection

19:00–20:00 **Social Hour with Lite Bites** [Zilker 1-2](#)

No registration fees are used to fund alcohol served at this function.

19:30–22:00 **Poster Session 2** [Zilker 1-2](#)

WEDNESDAY, MAY 3

07:30–08:30 **Breakfast** [Zilker 1-2](#)

08:00–08:30 **Poster Setup** [Zilker 1-2](#)

08:30–17:00 **Poster Viewing** [Zilker 1-2](#)

08:30–11:30 **Mononuclear Phagocyte Interactions with the Central and Peripheral Nervous System** [Zilker 3-4](#)

[Registered attendees](#) can view abstracts starting on 03/30/2017

Marco Colonna, Washington University School of Medicine, USA
Microglia Driven Pathology, Trem2

Daniel Mucida, Rockefeller University, USA
Tissue Adaptation of Intestinal Macrophages

Coffee Break

Burkhard Becher, University of Zurich, Switzerland
The T Cell-Myeloid Connection in Chronic Inflammation

Steffen Jung, Weizmann Institute of Science, Israel
Tissue Macrophages in Control of Innervation

Shoutang Wang, Institut Gustave Roussy, France
Short Talk: Lyl-1 Controls Primitive Macrophages and Microglia Development

11:30–12:30	Lunch	Zilker 1-2
12:00–14:30	Poster Session 3	Zilker 1-2
14:30–16:30	Workshop 2: Regulation of DC and Macrophage Function in Health and Disease	Zilker 3-4
	* Boris Reizis , NYU Langone Medical Center, USA	
	Carl Allen , Baylor College of Medicine, USA <i>Braf-V600e in Blood and Brain and Response to Braf Inhibition Suggest Hematopoietic Origin of Neurodegeneration In Lch</i>	
	Caroline Hutter , St. Anna Kinderspital, Austria <i>Notch Signaling Induces a Langerhans Cell Histiocytosis Gene Expression Signature in Human Monocytes</i>	
	Margaret E. Warren , Columbia University, USA <i>Notch Signaling Confers Optimal Phenotype and Function on in vitro-generated Classical Dendritic Cells</i>	
	Briana Nixon , Memorial Sloan Kettering Cancer Center, USA <i>The Role of the Notch Pathway in Tumor-Associated Macrophage Differentiation</i>	
	Ashley Steed , Washington University in St. Louis, USA <i>The Role of Type I Interferon during Influenza A Infection</i>	
	Lucie Van Emmenis , University College London, UK <i>Characterisation of Macrophages in Peripheral Nerve Regeneration</i>	
	Richard E. Zigmond† , Case Western Reserve University, USA <i>The Role of Mononuclear Phagocytes in Peripheral Nerve Degeneration and Regeneration: A New Perspective</i>	
16:30–17:00	Coffee Available	Zilker North Lobby
17:00–19:00	Mononuclear Phagocytes, Inflammation and Therapy Registered attendees can view abstracts starting on 03/30/2017	Zilker 3-4
	Gabriel D. Vitoria , Rockefeller University, USA <i>Monitoring T Cell-APC Interactions in vivo</i>	
	Catherine (Lynn) Hedrick , La Jolla Institute for Allergy and Immunology, USA <i>Monocyte Heterogeneity: Implications for Cancer</i>	
	Michele De Palma , École Polytechnique Fédérale de Lausanne, Switzerland <i>Macrophage reprogramming for anticancer therapy</i>	
	Irit Sagi , Weizmann Institute of Science, Israel <i>Short Talk: Macrophages are Context Dependent Builders or Destroyers of Collagenous Matrix</i>	
19:00	On Own for Dinner	

THURSDAY, MAY 4

07:30–08:30	Breakfast	Zilker 1-2
08:30–11:30	<p>Mononuclear Phagocytes and Cancer Progression Registered attendees can view abstracts starting on 03/30/2017</p> <p>Miriam Merad, Mount Sinai School of Medicine, USA <i>Harnessing the Tumor Myeloid Micro-Environment to Enhance Cancer Treatment</i></p> <p>Nina Bhardwaj, Icahn School of Medicine at Mount Sinai, USA <i>Cancer Induced Innate Immune Cell Modulation</i></p> <p>Coffee Break</p> <p>Laurence Zitvogel, Institut Gustave Roussy, France <i>Gut Microbiota Connects Mucosal and Tumoral Immune Responses</i></p> <p>Boris Reizis, NYU Langone Medical Center, USA <i>Transcriptional Control of Dendritic Cell Functionality</i></p> <p>Adriana M. Mujalt, University of California, San Francisco, USA <i>Short Talk: Characterizing the Role of CD11b+ Dendritic Cell Subsets in Priming Anti-Tumor CD4 T Cell Responses</i></p>	Zilker 3-4
11:30–14:30	On Own for Lunch	
16:30–17:00	Coffee Available	Zilker North Lobby
17:00–18:45	<p>Mononuclear Phagocytes and Cancer Treatment Registered attendees can view abstracts starting on 03/30/2017</p> <p>Nir Hacohen, Massachusetts General Hospital, USA <i>Human DC and Monocytes Revisited</i></p> <p>Michael Kalos, Eli Lilly and Company, USA <i>Phagocytes and Immunotherapy</i></p> <p>Ira Mellman, Genentech, Inc., USA <i>DCs and Macrophages in Cancer Immunotherapy</i></p>	Zilker 3-4
18:45–19:00	<p>Meeting Wrap-Up: Outcomes and Future Directions (Organizers) Registered attendees can view abstracts starting on 03/30/2017</p>	Zilker 3-4
19:00–20:00	<p>Social Hour with Lite Bites No registration fees are used to fund alcohol served at this function.</p>	Zilker 1-2
20:00–23:00	<p>Entertainment Entertainment is not subsidized by conference registration fees nor any U.S. federal government grants. Funding for this expense is provided by other revenue sources.</p>	Zilker 1-2

FRIDAY, MAY 5**Departure**

*Session Chair †Invited, not yet responded.

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