

Poster Program

Poster session 1	
Tuesday 20 September 2016 12:45-14:45	
Role of Phagocytes in Innate Immunity	
[P1.001]	The satiated macrophage: A key player in the resolution of inflammation A. Ariel*, S.K. Satyanarayanan, N. Sher, S. Assi, S. Schif-Zuck, <i>University of Haifa, Israel</i>
[P1.002]	Nitric oxide-dependent mitochondrial dysfunction prevents repolarization of inflammatory macrophages J. Van den Bossche*, N.A. Otto, J. Baardman, M.P.J. de Winther, <i>University of Amsterdam, The Netherlands</i>
[P1.003]	The cytokine interferon-beta has antimicrobial properties A. Kaplan*, M. Lee ¹ , A.J. Wolf ² , J. Limon-Tello ² , C.A. Becker ² , E.Y. Lee ² , R. Murali ² , G.Y. Liu ² , G. Wong ¹ , D.M. Underhill ² , ¹ <i>University of California Los Angeles, USA</i> , ² <i>Cedars-Sinai Medical Center, USA</i>
[P1.004]	P2X7 mediated innate phagocytosis in neurodegenerative diseases B.J. Gu*, X. Huang, W. Ou, J.S. Wiley, <i>The Florey Institute of Neuroscience & Mental Health, Australia</i>
[P1.005]	Macrophage polarization to a M2 phenotype: A promising therapeutic strategy in ALD-DNA induced SLE-features mice Y.F. Chang*, W.H. Chai, F. Li, Y.S. Yang, J.H. Xu, <i>Huashan Hospital, Fudan University, China</i>
[P1.006]	Mycobacterium tuberculosis replicates within necrotic human macrophages S. Borel ¹ , T.R. Lerner ¹ , U. Repnik ² , M.R.G. Russell ¹ , M.J. Jones ¹ , L.M. Collinson ¹ , G. Griffiths ² , M.G. Gutierrez*, ¹ <i>The Francis Crick Institute, UK</i> , ² <i>University of Oslo, Norway</i>
[P1.007]	Dendritic cells and monocytes with distinct inflammatory responses reside in lung mucosa of healthy humans F. Baharom*, S. Thomas ¹ , G. Rankin ² , R. Lepzien ¹ , J. Pourazar ² , A.F. Behndig ² , C. Ahlm ² , A. Blomberg ² , A. Smed-Sörensen ¹ , ¹ <i>Karolinska Institutet, Sweden</i> , ² <i>Umeå University, Sweden</i>
[P1.008]	Spatial and functional repopulation of liver macrophages and dendritic cells via a common CX3CR1+ precursor B. Araújo ¹ , R. Rezende ² , M. Antunes ¹ , M. Santos ¹ , M. Lopes ¹ , A. Diniz ¹ , R. Pereira ¹ , S. Marchesi ¹ , P. Kubes ³ , G. Menezes*, ¹ <i>Universidade Federal de Minas Gerais, Brazil</i> , ² <i>Harvard Medical School, USA</i> , ³ <i>University of Calgary, Canada</i>
[P1.009]	Long term changes in lung immunity induced by influenza infection H. Aegerter*, S. Crotta ¹ , S. Beinke ² , A. Wack ¹ , ¹ <i>Francis Crick Institute, UK</i> , ² <i>GlaxoSmithKline, UK</i>
[P1.010]	MCTR are novel macrophage derived mediators that stimulate tissue regeneration and clearance of infections J. Dalli*, ^{1,2} N. Chiang ² , C.N. Serhan ² , ¹ <i>William Harvey Research Institute, UK</i> , ² <i>Harvard Medical School, USA</i>
[P1.011]	CXCL4L1 induces a unique transcriptional profile in peripheral blood monocytes M. Gouwy ¹ , P. Ruytinx ¹ , E. Radice ¹ , F. Claudi ¹ , K. Van Raemdonck ¹ , R. Bonecchi ² , M. Locati ² , J. Van Damme ¹ , S. Struyf*, ¹ <i>University of Leuven, Belgium</i> , ² <i>Humanitas Clinical and Research Center, Italy</i>
[P1.012]	Intracellular processing of Aspergillus fumigatus conidia with macrophages requires lipid rafts F. Schmidt*, H. Schmidt ¹ , T. Heinekamp ^{1,3} , S.F. Filler ² , A.A. Brakhage ^{1,3} , ¹ <i>Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute (HKI), Germany</i> , ² <i>Biomedical Research Institute at Harbor-UCLA Medical Center, USA</i> , ³ <i>Friedrich Schiller University, Germany</i>
[P1.013]	The role of microRNA let-7f in tuning the immune response in Mycobacterium tuberculosis infection M. Kundu*, J. Basu, <i>Bose Institute, India</i>
[P1.014]	Innate memory of human monocytes and macrophages: Re-shaping the activation programme in response to infectious challenges D. Boraschi ¹ , E. Töpfer ¹ , G. Sipos ¹ , M. Madej ¹ , L. Romani ² , P. Italiani*, ¹ <i>National Research Council, Italy</i> , ² <i>University of Perugia, Italy</i>
[P1.015]	Interaction between dendritic cells and macrophages in secondary lymphoid organs as well as in tumor stroma S. Sohn*, D. Dudziak ² , M.C.I. Karlsson ¹ , ¹ <i>Karolinska Institutet, Sweden</i> , ² <i>University Hospital of Erlangen, Germany</i>
[P1.016]	Interaction of the human pathogenic fungus Aspergillus fumigatus with alveolar macrophages H. Schmidt ^{1,3} , F. Schmidt ^{1,3} , A. Thywißen ¹ , T. Krüger ¹ , S.G. Filler ¹ , T. Heinekamp ^{1,3} , A.A. Brakhage ^{1,3} , ¹ <i>Hans Knöll Institute, Germany</i> , ² <i>UCLA Medical Center, USA</i> , ³ <i>Friedrich Schiller University Jena, Germany</i>
[P1.017]	CD109 is a key regulator of the IL-23/IL-17 immune axis in the skin I.L. King*, G.V. Carnevale, <i>McGill University, Canada</i>
[P1.018]	A macrophage multinucleation network in health and disease

	J.H. Ko ¹ , M. Rotival ¹ , A. Kerloc'h ¹ , E. Petretto ² , D. Bassett ¹ , G.R. Williams ¹ , J. Behmoaras ^{*1} , ¹ Imperial College London, UK, ² Duke, NUS, Singapore
[P1.019]	High-density lipoprotein in innate immune defense against bacterial pathogens S. Döhrmann*, C. La Rock, V. Nizet, <i>University of California, San Diego, USA</i>
[P1.020]	NET formation requires reentry into a noncanonical cell cycle B. Amulic*, A. Zychlinsky, <i>Max Planck Institute for Infection Biology, Germany</i>
[P1.021]	A new GM-CSF-dependent pathway in inflammation A. Achuthan*, M-C. Lee, R. Saleh, A. Frye, A.J. Fleetwood, A.D. Cook, J.A. Hamilton, <i>University of Melbourne, Australia</i>
[P1.022]	Distinct inflammatory responses of leukocytes exposed to planktonic and biofilm-forming <i>Pseudomonas aeruginosa</i>: A role of biofilm-associated neutrophils in tissue injury J. Marcinkiewicz*, M. Ciszek-Lenda, M. Strus, M. Walczewska, A. Machul, D. Mikolajczyk, <i>Jagiellonian University Medical College, Poland</i>
[P1.023]	Establishment of quantitative assay system for evaluating phagocytic activity using human monocyte cell lines THP-1 and U937 M. Ishikawa ^{*1} , T. Inoue ¹ , Y. Sumiya ¹ , T. Inui ^{2,3} , D. Kuchiike ^{2,3} , K. Kubo ³ , Y. Uto ² , T. Nishikata ¹ , ¹ Konan University, Japan, ² Tokushima University, Japan, ³ Saisei Mirai Clinic, Japan
[P1.024]	Characterization of different states of macrophages derived from human monocyte cell lines THP-1 and U937 T. Nishikata ^{*1} , M. Ishikawa ¹ , T. Inoue ¹ , Y. Sumiya ¹ , T. Inui ^{2,3} , D. Kuchiike ^{2,3} , K. Kubo ³ , Y. Uto ² , ¹ Konan University, Japan, ² Tokushima University, Japan, ³ Saisei Mirai Clinic, Japan
[P1.025]	Multinucleated giant cells are specialized for complement-mediated phagocytosis and large target destruction R. Milde ^{*1} , J. Ritter ¹ , G.A. Tennent ² , A. Loesch ² , F.O. Martinez ³ , S. Gordon ³ , M.B. Pepys ² , A. Verschoor ^{1,4} , L. Helming ¹ , ¹ Technische Universität München, Germany, ² University College London, UK, ³ University of Oxford, UK, ⁴ Universität zu Lübeck, Germany
[P1.026]	Systems-genetics approaches in macrophages identify core regulators of wound healing and fibrosis M. Bagnati ^{*1} , M. Imprialou ¹ , A. Moreno Moral ² , J. Nicod ³ , D. Abraham ⁴ , V. Ong ⁴ , C. Denton ⁴ , B. Almquist ¹ , E. Petretto ² , J. Behmoaras ¹ , ¹ Imperial College London, UK, ² Duke-NUS Graduate Medical School Singapore, Singapore, ³ The Wellcome Trust Centre for Human Genetics, UK, ⁴ University College London, UK
[P1.027]	Polymorphism of FCGR genes, encoded FcγRs on phagocytes, in an etiopathogenesis of sarcoidosis A. Dubaniewicz*, M. Typiak, K. Rebal, M. Skotarczak, M. Dubaniewicz-Wybiecalska, B. Rekawiecki, K. Wozniak, O. Okuniewski, J.M. Slominski, <i>Medical University of Gdansk, Poland</i>
[P1.028]	TLR4 engagement on dendritic cells restrains fusion of lysosomes with phagosomes to promote cross-presentation of antigens A. Alloatti ¹ , F. Kotsias ^{1,2} , A-M. Pauwels ^{3,4} , R. Beyaert ^{3,4} , E. Hoffmann ^{*1,3} , S. Amigorena ¹ , ¹ INSERM U932, France, ² University of Buenos Aires, Argentina, ³ VIB - Inflammation Research Center, Belgium, ⁴ Ghent University, Belgium
[P1.029]	Scavenging ROS production upon acute heme overload prevents iron efflux from macrophages N.K. Tangudu*, B. Alan, D. Lai, K. Wohrle, S. Vettorazzi, K. Leopold, R. Schrimbeck, M.V. Spasic, <i>Ulm University, Germany</i>
[P1.030]	Pathological levels of apoptosis impair macrophage behavior in drosophila H. Roddie, E.L. Armitage, I.R. Evans*, <i>University of Sheffield, UK</i>
[P1.031]	Hormone-mediated differences in innate immune responses impact bacterial phagocytosis and clearance in urinary tract infection A. Zychlinsky Scharff, T. Canton, M.L. Albert, M.A. Ingersoll*, <i>Institut Pasteur, France</i>
[P1.032]	Formation of organized macrophage aggregates in response to <i>Streptococcus iniae</i> infection depends on neutrophil-macrophage crosstalk W.J.B. Vincent*, E.A. Harvie, A. Huttenlocher, <i>University of Wisconsin-Madison, USA</i>
[P1.033]	Protection from systemic candida albicans infection by inactivation of the sts phosphatases D. Frank*, S. Naseem, J. Konopka, N. Carpino, <i>Stony Brook University, USA</i>
[P1.034]	The role of the calcium-sensing receptor and phosphatidylinositol 3-kinase in the differential ability of pro-inflammatory and anti-inflammatory macrophages to perform macropinocytosis D.R. Redka*, S. Grinstein, J. Canton, <i>The Hospital for Sick Children, Canada</i>
[P1.035]	The hyaluronan receptor CD44 is necessary for TLR4 activation of the NLRP3 inflammasome and the development of bronchopulmonary dysplasia (BPD) R.C. Savani ^{*1} , C.V. Lal ² , N. Cheong ¹ , C. Longoria ¹ , N. Ambalavanan ² , J. Liao ¹ , ¹ University of Texas Southwestern Medical Center, USA, ² University of Alabama at Birmingham, USA

[P1.036]	Development of neutrophil-derived giant phagocytes in long term neutrophil cultures L. Lavie*, L. Dyugovskaya, A. Polyakov, S. Berger, P. Lavie, <i>Technion Inst. of Technology, Israel</i>
[P1.037]	Studies on high phagocytic activity of human dermal fibroblast (HDF) H. Kohda* ¹ , M. Fukuda ¹ , M. Ishikawa ¹ , H. Ishii ² , H. Ando ³ , M. Ichihashi ⁴ , T. Nishikata ¹ , ¹ <i>Konan University, Japan</i> , ² <i>Marine Biological Laboratory, USA</i> , ³ <i>Okayama University of Science, Japan</i> , ⁴ <i>SAISEI MIRAI Clinic, Japan</i>
[P1.038]	Secretory leukocyte protease inhibitor (SLPI) restrains formation of neutrophil extracellular traps (NETs) through several mechanisms O. Osiecka, P. Majewski, K. Zabieglo, J. Skrzeczynska-Moncznik, J. Cichy*, <i>Jagiellonian University, Poland</i>
[P1.039]	TRIM33 deficiency in myeloid cells impairs resolution of inflammation A-S. Gallouet*, V. Petit, A. Parcelier, F. Ferri, M. Dalloz, V. Barrocca, D. Lewandowski, P-H. Romeo, <i>CEA, France</i>
[P1.040]	Restoration of macrophage clearance of the human fungal pathogen <i>Cryptococcus neoformans</i> in the absence of T-cell mediated immunity A. Bojarczuk ¹ , F. Hamid ¹ , A. Kamuyango ¹ , R. Gibson ¹ , K. Miller ¹ , R. Hotham ¹ , R. May ² , A. Gooya ¹ , A. Frangi ¹ , S. Johnston* ¹ , ¹ <i>University of Sheffield, UK</i> , ² <i>University of Birmingham, UK</i>
[P1.041]	Modulation of monocyte phenotype and function by regulatory T cells A.K. Dickinson* ¹ , V. Fleskens ¹ , D.F. Tough ² , L.S. Taams ¹ , ¹ <i>King's College London, UK</i> , ² <i>GlaxoSmithKline, UK</i>
[P1.042]	Corpse engulfment generates a molecular memory that primes the macrophage inflammatory response H. Weavers* ¹ , I. Evans ² , P. Martin ¹ , W. Wood ¹ , ¹ <i>University of Bristol, UK</i> , ² <i>University of Sheffield, UK</i>
[P1.043]	Important role for IRF5 in shaping the spectrum of macrophage activation A.L. Corbin, I. Arnold, S. Sansom, F. Powrie, I.A. Udalova*, <i>University of Oxford, UK</i>
[P1.044]	A comparison of cattle and buffalo macrophages to investigate their differing susceptibility to infectious disease R. Young*, L.A. Waddell, L. Lefèvre, S. Bush, P. Dutta, K.A. Sauter, Z.M. Lisowski, A.L. Archibald, D.A. Hume, <i>University of Edinburgh, UK</i>
[P1.045]	RIPK3 promotes TB via Bcl-x_L mediated necroptosis while prevents influenza virus via MAVS mediated type I IFN in macrophages M. Divangahi* ¹ , H. Remold ² , ¹ <i>McGill University, Canada</i> , ² <i>Harvard University, USA</i>
[P1.046]	CCR7 and IRF4-dependent dendritic cells regulate lymphatic collecting vessel permeability S. Ivanov* ^{1,2} , J.P. Scallan ³ , B.H. Zinselmeyer ² , G.J. Randolph ² , ¹ <i>C3M Nice, France</i> , ² <i>Washington University, USA</i> , ³ <i>University of South Florida, USA</i>
[P1.047]	Impaired phagocytosis of apoptotic neutrophils by mononuclear phagocytes results in delayed resolution of acute inflammation in aged humans R.P.H. De Maeyer*, M.P. Motwani, D.W. Gilroy, <i>University College London, UK</i>
[P1.048]	Studying the integration of immune and metabolic pathways in <i>Drosophila</i> C.A. Brennan*, M. Prasad, N. Islam, M. Roshandell, <i>California State University, USA</i>
[P1.049]	Impaired phagocytosis, clearance and activation in HIV-1 infected macrophages and development of opportunistic bacteria G. Lê-Bury ¹ , A. Dumas ¹ , C. Deschamps ¹ , F. Herit ¹ , P. Bourdoncle ¹ , D.G. Russell ² , M. Gordon ³ , S. Benichou ¹ , A. Zahraoui ¹ , F. Niedergang* ¹ , ¹ <i>Université Paris Descartes, France</i> , ² <i>Cornell University, USA</i> , ³ <i>University of Liverpool, UK</i>
[P1.050]	Monocyte-derived macrophages transition from inflammatory to reparative programs in the CNS of patients after intracerebral hemorrhage M.H. Askenase* ¹ , B.A. Goods ² , A.F. Steinschneider ¹ , K. Raddassi ¹ , D.A. Hafler ¹ , J.C. Love ^{2,3} , L.H. Sansing ¹ , ¹ <i>Yale University, USA</i> , ² <i>Massachusetts Institute of Technology, USA</i> , ³ <i>The Broad Institute of MIT and Harvard, USA</i>
[P1.051]	A new paradigm of classically activated macrophage functions: Pro-inflammatory and antigen presentation M. Rovira-Gonzalez ¹ , M. Dimitrova ^{1,2} , V. Simhadri* ¹ , ¹ <i>Food and Drug Administration, USA</i> , ² <i>University of California, USA</i>
[P1.052]	Chemokine signaling <i>constellation</i> during human neutrophil swarming elucidated using a novel <i>ex vivo</i> assay E. Reategui ^{1,2} , J. Dali ² , C.N. Serhan ² , D. Irimia* ^{1,3} , ¹ <i>Massachusetts General Hospital, USA</i> , ² <i>Harvard Medical School, USA</i> , ³ <i>Shriners Burns Hospital, USA</i>
[P1.053]	Apoptotic cell-derived mediators shape macrophage responses in cancer and autoimmunity A. Weigert*, B. Weichand, J. Mora, Y. Han, R. Popp, I. Fleming, B. Brüne, <i>Goethe-University Frankfurt, Germany</i>

[P1.054]	DC-SIGN⁺ macrophages mediate transplantation tolerance P. Conde, M. Merad, S. Gordon, J. Ochando*, <i>Mount Sinai School of Medicine, USA</i>
[P1.055]	Monocytes derived cells are essential for autoimmune cholangitis progression D. Haite-Reuveni ¹ , Y. Gore ¹ , P. Leung ² , Y. Lichter ¹ , E. Brazowski ¹ , C. Varol ¹ , Z. Halpern ¹ , O. Shibolet ¹ , E. Gershwin ² , E. Zigmond*, ¹ <i>Tel Aviv Medical Center, Israel</i> , ² <i>University of California, USA</i>
[P1.056]	COMMD10 is a pivotal regulator of monocyte-driven inflammation in sepsis and inflammatory bowel disease (IBD) O. Mouhadeb*, S. Ben-Shlomo ¹ , E. Burstein ² , C. Varol ¹ , N. Gluck ¹ , ¹ <i>Tel-Aviv University, Israel</i> , ² <i>University of Texas SW Medical Center, USA</i>
[P1.057]	Migration patterns of phagocyte cells in Staphylococcal pneumonia M. Svensson*, S. Mairpady Shambat, P. Chen, A. Norrby-Teglund, <i>Karolinska Institutet, Sweden</i>
[P1.058]	Neutrophil extracellular trap formation is independent of <i>de novo</i> gene expression G. Sollberger*, B. Amulic, A. Zychlinsky, <i>Max Planck Institute for Infection Biology, Germany</i>
[P1.059]	F4/80 controls the development of tolerogenic macrophages P. Conde, S. Gordon, J. Ochando*, <i>Mount Sinai School of Medicine, USA</i>
[P1.060]	ATG16, the autophagy 16 protein, mediates the autophagic degradation of the 19S proteasomal subunits PSMD1 and PSMD2 Q. Xiong, S. Fischer, L. Eichinger*, <i>University of Cologne, Germany</i>
[P1.061]	Functional activation of macrophages by the innate immune receptor Nod1 in colitis-associated carcinogenesis C. Maisonneuve*, S. Rubino, D. Prescott, K. Geddes, S. Winer, D.A. Winer, S. Girardin, D.J. Philpott, <i>University of Toronto, Canada</i>
[P1.062]	How <i>Bordetella pertussis</i> adenylate cyclase toxin manipulates host phagocytes P. Sebo, <i>Institute of Microbiology of the ASCR, v.v.i., Czech Republic</i>
[P1.063]	<i>Olfm4</i> is a contextual-specific inflammation marker in neutrophils S. Munoz*, M. Parada, C. Munoz, L. Solano, P. Maturana, D. Rojas, R. Cabrera, M. Allende, <i>Universidad de Chile, Chile</i>
[P1.064]	Role of hepcidin in post-ischemic tissue remodeling I.Z. Zlatanova*, W.B. Bakker, J.S. Silvestre, <i>Inserm, France</i>
[P1.065]	Neutrophil extracellular traps (NETs) reprogram IL-4/GM-CSF-induced monocyte differentiation into dendritic cells A.B. Guimarães-Costa ^{1,2} , N.C. Rochael ¹ , F. Oliveira ² , J. Echevarria-Lima ¹ , E.M. Saraiva*, ¹ <i>Universidade Federal do Rio de Janeiro, Brazil</i> , ² <i>National Institutes of Health, USA</i>
[P1.066]	A synthetic glycolipid induces autophagy in macrophages Y.J. Chou*, C.C. Lin, S.L. Fu, <i>National Yang-Ming University, Taiwan</i>
[P1.067]	Enforced expression of <i>Hoxa3</i> inhibits classical and promotes alternative activation of macrophages in vitro and in vivo H. Alsadoun, M. Burgess, K.E. Hentges, K.A. Mace*, <i>University of Manchester, UK</i>
[P1.068]	Macrophages in tissue repair and regeneration: Dynamics, regulation and function S. Willenborg, S. Eming*, <i>University of Cologne, Germany</i>
[P1.069]	Isolation and characterisation of the equine bone marrow derived macrophage Z.M. Lisowski*, C. Pridans, L.A. Waddell, R. Young, K.A. Sauter, L. Lefevre, S.R. Pirie, N.P.H. Hudson, D.A. Hume, <i>The Roslin Institute and Royal (Dick) School of Veterinary Studies, UK</i>
[P1.070]	Extracellular ATP protects against sepsis through macrophage P2X7 receptors B. Csóka ¹ , Z.H. Németh ¹ , G. Haskó*, ^{2,1} ¹ <i>Rutgers New Jersey Medical School, USA</i> , ² <i>University of Debrecen, Hungary</i>
[P1.071]	Reversal of TREM-1 ectodomain shedding on neutrophils and improved bacterial clearance by intranasal metalloproteinase inhibitors G. Weiss*, C. Lai ¹ , B. Tildy ¹ , R. Snelgrove ¹ , G. Xin ¹ , C. Lloyd ¹ , T. Hussell ^{1,2} , ¹ <i>Imperial College London, UK</i> , ² <i>Manchester Collaborative Centre for Inflammation Research (MCCIR), UK</i>
[P1.072]	Disruption of Glycosaminoglycan-Chemokine interaction in vivo reduces neutrophil activation and liver injury P.E. Marques*, T. Oliveira ¹ , V. Vanheule ² , P. Proost ² , M. Texeira ¹ , ¹ <i>UFMG, Brazil</i> , ² <i>KU Leuven, Belgium</i>
[P1.073]	Macrophages and microglia response to apoptotic cells regulate remyelination L.C. Taylor, K. Puranam, A. Patel, N. Muthusamy, G.K. Matsushima*, <i>UNC Neuroscience Center, USA</i>
[P1.074]	Insufficient free hemoglobin scavenging and intracellular iron accumulation in microglia involves brain damage in AMS(Acute Mountain Sickness) L. Sheng*, Y. Li, W. Chen, B. Lu, H. Sun, W. Yin, G. Yan, <i>Sun Yat-sen University, China</i>

[P1.075]	Systemic inoculation of Escherichia coli causes the emergency myelopoiesis in zebrafish larval caudal hematopoietic tissue Y. Hou, X. Mao, L. Li*, <i>Southwest University, China</i>
[P1.076]	Neutrophil chromatin undergoes dramatic stimulation-specific topological changes during extracellular trap formation M. Denholtz*, S. Döhrmann, Y. Zhu, T. Isoda, V. Nizet, C. Murre, <i>University of California San Diego, USA</i>
[P1.077]	Surface LAMP-2 is an endocytic receptor that diverts antigen internalized by human dendritic cells into highly immunogenic exosomes D.A. Leone*, R. Kain, A.J. Rees, <i>Medical University of Vienna, Austria</i>
[P1.078]	The role of microglia in brain pathology associated with autoimmunity and systemic inflammation A. Shemer* ¹ , D. Varol ¹ , Y. Wolf ¹ , N. Maggio ² , M. Prinz ³ , S. Jung ¹ , ¹ Weizmann Institute of Science, Israel, ² Tel Aviv University, Israel, ³ Freiburg University Medical Centre, Germany
Role of Phagocytes in Metabolic Disease	
[P1.079]	Activation of MSR1 recruits TAK1/MKK7/JNK to the phagosome to promote phenotypic switch of alternatively activated macrophages M. Guo ¹ , A. Härtlova ¹ , M. Gierlinski ¹ , A. Prescott ¹ , J. Castellvi ³ , B.D. Dill ¹ , D.G. Russell ² , M. Trost* ¹ , ¹ University of Dundee, UK, ² Cornell University, USA, ³ Hospital Universitario Vall d'Hebron, Spain
[P1.080]	NOD1 determines the macrophage pro-inflammatory response in obesity leading to insulin resistance K. Chan, D. Philpott, A. Klip*, <i>The Hospital for Sick Children, Canada</i>
[P1.081]	Bcat1 controls metabolic reprogramming in activated macrophages and is a target for autoimmune inflammatory diseases A.E. Papathanassiou ¹ , J.H. Ko ² , M. Imprialou ² , M. Bagnati ² , D. Cucchi ³ , C. Mauro ³ , J. Behmoaras* ² , ¹ Ergon Pharmaceuticals, USA, ² Imperial College London, UK, ³ William Harvey Research Institute, UK
[P1.082]	Malondialdehyde epitopes mediate metaflammation in diet-induced hepatitis C.J. Busch* ^{1,2} , T. Hendrikx ^{1,3} , C. Reinhardt ⁴ , R. Shiri-Sverdlov ³ , C.J. Binder ^{1,2} , ¹ Medical University of Vienna, Austria, ² CeMM Research Center for Molecular Medicine, Austria, ³ Maastricht University, The Netherlands, ⁴ University Medical Centre Mainz, Germany
[P1.083]	Shift of macrophage phenotype due to cartilage oligomeric matrix protein deficiency drives atherosclerotic calcification Y. Fu*, C. Gao, W. Kong, <i>Peking University Health Science Center, China</i>
[P1.084]	Glibenclamide impairs responses of neutrophils against Burkholderia pseudomallei by reduction of intracellular glutathione C. Kewcharoenwong* ¹ , D. Rinchai ¹ , A. Nithichanon ¹ , G. Bancroft ² , M. Ato ³ , G. Lertmemongkolchai ¹ , ¹ Khon Kaen University, Thailand, ² London School of Hygiene and Tropical Medicine, UK, ³ National Institute of Infectious Diseases, Japan
[P1.085]	Increased glycolytic capacity in non-classical monocyte-derived M2 macrophages is linked to foam cell formation M.K.S. Lee* ¹ , K. Woollard ² , D. Henstridge ¹ , C. Palmer ³ , H. Medbury ⁴ , J. Hamilton ⁵ , D. Sviridov ¹ , J.P.F. Chin-Dusting ¹ , A.J. Murphy ¹ , ¹ Baker IDI Heart & Diabetes Institute, Australia, ² Imperial College London, UK, ³ Burnet Institute, Australia, ⁴ University of Sydney, Australia, ⁵ University of Melbourne, Australia
[P1.086]	Monocytes switch metabolic phenotype dependent on subset and lipid exposure M.K.S. Lee ¹ , K. Woollard ² , D. Henstridge ¹ , C. Palmer ³ , J.A. Hamilton ⁴ , D. Sviridov ¹ , J.F.P. Chin-Dusting ⁵ , A.J. Murphy* ¹ , ¹ Baker IDI Heart & Diabetes Institute, Australia, ² Imperial College London, UK, ³ Burnet Institute, Australia, ⁴ University of Melbourne, Australia, ⁵ Monash University, Australia
[P1.087]	Transmembrane TNF-α reverse signaling inhibits lipopolysaccharide-induced pro-inflammatory cytokine formation in macrophages by inducing TGF-β: Therapeutic implications A. Pallai ¹ , B. Kiss ¹ , G. Vereb ¹ , M. Armaka ² , G. Kollias ² , Z. Szondy* ¹ , ¹ University of Debrecen, Hungary, ² Biomedical Sciences Research Center "Alexander Fleming", Greece
[P1.088]	High salt modulates cellular metabolic processes essential for macrophage activation K.J. Binger* ^{1,2} , M. Gebhardt ² , S. Geisberger ² , M. Heinig ² , C. Rintisch ² , A. Schroeder ³ , M. Kleinewietfeld ⁴ , V. Schatz ⁵ , N. Hubner ² , J. Jantsch ⁵ , ¹ Baker IDI Heart and Diabetes Institute, Australia, ² Max-Delbrück Center for Molecular Medicine, Germany, ³ Friedrich-Alexander-University of Erlangen-Nuremberg, Germany, ⁴ Technical University Dresden, Germany, ⁵ University Hospital Regensburg, Germany, ⁶ Vanderbilt University, USA
[P1.089]	Macrophages mediate the repair of brain vascular rupture through direct physical adhesion and mechanical traction C. Liu ¹ , C. Wu ¹ , Q. Yang ¹ , J. Gao ² , L. Li ¹ , D. Yang ² , L. Luo* ¹ , ¹ Southwest University, China, ² Chongqing Medical University, China
[P1.090]	Hyperglycemia induces pro-inflammatory and epigenetic programming of human macrophages

	K. Moganti ¹ , M. Balduff ¹ , F. Li ¹ , B. Yard ¹ , H. Klüter ^{1,2} , M. Harmsen ³ , J. Kzhyshkowska ^{*1,2} , ¹ Heidelberg University, Germany, ² German Red Cross Blood Service Baden-Württemberg–Hessen, Germany, ³ University Medical Centre Groningen, The Netherlands
[P1.091]	Insufficient mitophagy is associated with exaggerated inflammasome activation and adverse post-infarct ventricular remodeling in type 2 diabetic mice M. Babu ^{*1} , T. Durga Devi ¹ , P. Mäkinen ¹ , M. Kaikkonen ¹ , M. Heinoniemi ¹ , H. Hakkarainen ¹ , E. Ylä-Herttua ¹ , L. Reippo ^{1,2} , T. Liimatainen ¹ , S. Ylä-Herttua ¹ , ¹ A.I. Virtanen Institute, Finland, ² University of Eastern Finland, Finland
[P1.093]	Macrophages influenced by lactic acid contribute to development of choroidal neovascularization J.H. Song ^{*1} , S.W. Park ^{1,2} , J.H. Kim ^{1,2} , S.H. Seok ¹ , ¹ Seoul National University College of Medicine, Republic of Korea, ² Seoul National University Hospital, Republic of Korea
Origin and Recruitment of Phagocytes	
[P1.094]	RORC1 Regulates Tumor-Promoting "Emergency" Granulo-Monocytopoiesis Strauss L1, Sangaletti S3, Porta C2, Tripodo C3 Colombo MP4 and Sica A1,2 L. Strauss ¹ , S. Sangaletti ⁴ , C. Porta ¹ , C. Tripodo ³ , M.P. Colombo ⁴ , A. Sica ^{*2,1} , ¹ University of Piemonte Orientale, Italy, ² Humanitas Clinical and Research Center, Italy, ³ University of Palermo, Italy, ⁴ Fondazione IRCCS Istituto Nazionale Tumori, Italy
[P1.095]	Macrophage ontogeny F. Ginhoux, <i>Singapore Immunology Network, Singapore</i>
[P1.096]	CCR2 and CX3CR1 control the equilibrium between marginal and circulating monocytes during inflammation P. Hamon [*] , P-L. Loyher, C. Baudesson de Chanville, F. Licata, M.P. Rodero, C. Combadière, A. Boissonnas, <i>CIMI-Paris, France</i>
[P1.097]	Monocytes constantly replenish macrophages and dendritic cells in the human small intestine A. Bujko ^{1,2} , L. Richter ^{1,2} , O.J.B. Landsverk ^{1,2} , S. Yaqub ¹ , R. Horneland ¹ , O. Øyen ¹ , E.S. Aandahl ¹ , E.M. Bækkevold ^{1,2} , F.L. Jahnsen ^{*1,2} , ¹ Oslo University Hospital, Norway, ² University of Oslo, Norway
[P1.098]	Interstitial (IM)-to-alveolar (AM) macrophage conversion is the main contributor to the emergence of YM1+CD206+ polarized lung macrophages in allergic lung inflammation C. Draijer ^{1,2} , C.E. Boorsma ^{1,2} , E. Post ¹ , F. van Dijk ¹ , B.N. Melgert ^{*1,2} , ¹ University of Groningen, The Netherlands, ² University Medical Center Groningen, The Netherlands
[P1.099]	Cell origin dictates programming of resident versus recruited macrophages during acute lung injury K.J. Mould ^{1,2} , L. Barthel ¹ , M.P. Mohning ^{1,2} , S.M. Leach ¹ , T. Danhorn ¹ , T.E. Fingerlin ¹ , D.L. Bratton ¹ , C.V. Jakubzick ^{1,2} , P.M. Henson ^{1,2} , W.J. Janssen ^{*1,2} , ¹ National Jewish Health, USA, ² University of Colorado Denver, USA
[P1.100]	Dedifferentiation of renal tubular epithelial cells to phagocytes to ameliorate acute kidney injury through scavenging necrotic cell debris deposited with apoptosis inhibitor of macrophage (AIM) protein S. Arai, T. Yamazaki, T. Miyazaki [*] , <i>The University of Tokyo, Japan</i>
[P1.101]	B-1 cell: Yes, it can be a phagocyte A.F. Popi [*] , M. Mariano, <i>UNIFESP, Brazil</i>
[P1.102]	Two independent pathways of monocyte production by bone marrow progenitors A. Yanez ^{*1} , H.S. Goodridge ^{1,2} , ¹ Cedars-Sinai Medical Center, USA, ² UCLA, USA
[P1.103]	Human cord blood is an alternative source of functional macrophages for potential cellular therapies J. Kim ^{*1} , S. Tedesco ² , J. Canton ³ , A. Cignarella ² , L. Vitiello ² , P.W. Zandstra ¹ , ¹ University of Toronto, Canada, ² University of Padova, Italy, ³ The Hospital for Sick Children, Canada
[P1.104]	Origin and mechanism of recruitment of the pro-angiogenic neutrophils C. Seignez [*] , E. Vågesjö, C. Herrera-Hidalgo, M. Phillipson, <i>Uppsala University, Sweden</i>
[P1.105]	CpG-DNA expand immunosuppressive interstitial macrophages from Ly6c+ local precursors C. Sabatel ^{*1} , C. Radermecker ¹ , L. Fiévez ¹ , G. Paulissen ¹ , S. Chakarov ² , M. Toussaint ¹ , C.J. Desmet ¹ , F. Ginhoux ² , T. Marichal ¹ , F. Bureau ¹ , ¹ University of Liege, Belgium, ² Agency for Science, Technology and Research, Singapore
[P1.106]	Erythromyeloid progenitors and hematopoietic stem cells, representing embryonic and adult origins, generate distinct macrophage populations D. Korona-Burgy [*] , K. Klapproth, K. Busch, A. Forsthuber, S. Schäfer, H-R. Rodewald, <i>German Cancer Research Center, Germany</i>
[P1.107]	Ikaros as a controller of B-1 cell differentiation into phagocyte A.C.P. Sodr�, V.C. Oliveira, L. Osgui, N.S. Moretti, S. Schenkman, A.F. Popi [*] , <i>UNIFESP, Brazil</i>
[P1.108]	Phagocytic activity of polysaccharides from <i>Plantago notata lagasca</i> (plantaginaceae) seeds Z. Boual ^{*1,3} , G. Pierre ² , N. Addoun ¹ , C. Delattre ² , T. Chouana ¹ , F. Benaoun ¹ , P. Michaud ² , M. Ould El

	Hadj ¹ , ¹ Université Ouargla, Algeria, ² Clermont Université, Université Blaise Pascal, France, ³ Laboratoire des analyses médicales IBN ROCHD, Algeria
[P1.109]	IRF5 orchestrates gut inflammation A.L. Corbin*, I. Arnold, F. Powrie, I. Udalova, <i>University of Oxford, UK</i>
[P1.110]	No fast-food for moving neutrophils, except... D. Irimia ¹ , ¹ Massachusetts General Hospital, USA, ² Harvard Medical School, USA
[P1.111]	Expression of Phosphoinositide-specific Phospholipase C enzymes in polarized macrophages T. Di Raimo*, M. Leopizzi, R. Businaro, V.R. Lo Vasco, <i>Sapienza University of Rome, Italy</i>
[P1.112]	The <i>Drosophila</i> TNFα ortholog Eiger regulates epithelial mechanobiology through Patj to facilitate tissue penetration by macrophages during development A. Ratheesh, J. Vesela, J. Biebl, A. Gyoergy, D. Siekhaus*, <i>IST Austria, Austria</i>
[P1.113]	CCR2 knockdown interferes with macrophage recruitment and tissue regeneration in zebrafish R.A. Morales ^{*1,2} , C. Anguita-Salinas ^{1,2} , D. Gutiérrez ^{1,2} , M. Sánchez ^{1,2} , E. Molina ^{1,2} , M.L. Allende ^{1,2} , ¹ Universidad de Chile, Chile, ² FONDAP Center for Genome Regulation, Chile
[P1.114]	Colony-stimulating factor 1 receptor regulates primitive microglia expansion N. Oosterhof*, L.E. Kuil, H.C. van der Linde, E. Hiemstra, T.J. van Ham, <i>Erasmus MC, The Netherlands</i>
[P1.115]	A novel population of monocyte-independent gut macrophages are enriched in the lamina propria T. Shaw ^{*1} , S. Houston ¹ , H. Bridgeman ¹ , S. Tamoutounour ² , A. MacDonald ¹ , J. Grainger ¹ , ¹ University of Manchester, UK, ² National Institutes of Health, USA
[P1.116]	The phenotypic characterization of the human renal mononuclear phagocytes reveal a co-ordinated response to injury D.A.L. Leone*, R.K. Kain, A.J.R. Rees, <i>Medical University of Vienna, Austria</i>
[P1.117]	A CX3CR1^{high} subset of prenatally seeded dermal macrophages drives immunity in staphylococcal skin infection J. Kolter*, R. Feuerstein, P. Henneke, <i>University of Freiburg, Germany</i>
[P1.118]	Regulation of alveolar macrophage development and homeostasis X. Yu*, A. Buttgerit, I. Lelios, M. Greter, <i>University of Zurich, Switzerland</i>
[P1.119]	Immune cell response to muscle regeneration A.P. Cumine*, L. Taams, R. Knight, <i>King's College London, UK</i>
[P1.120]	Phagocytic T cells in teleost fish K. Maisey, R. Montero, G. Poblete, B. Valenzuela, C. Cancino, M. Imarai*, <i>Universidad de Santiago de Chile, Chile</i>
Poster session 2	
Wednesday 21 September 2016 12:45-14:45	
Cellular Mechanisms of Phagocytosis	
[P2.001]	Phagocytosis of particulate antigens: The NRON/NFAT signaling pathway T. Zelante ^{*1} , A.Y.W. Wong ² , J. Fric ³ , P. Castagnoli ¹ , ¹ University of Perugia, Italy, ² Singapore Immunology Network (SigN), Singapore, ³ St. Anne's University Hospital Brno, Czech Republic
[P2.002]	Phagocytosis and innate immunity in Dictyostelium: Role of phosphoinositides and iron homeostasis in phagocytosis and resistance to invasive bacteria B. Peracino, S. Buracco, S. Bozzaro*, <i>University of Torino, Italy</i>
[P2.003]	Integrated, multi-cohort analysis to develop a parsimonious transcriptional signature of human macrophage polarization T.D. Azad*, A.A. Morgan, P. Khatri, <i>Stanford University School of Medicine, USA</i>
[P2.004]	Phosphatidylinositol-3-phosphate (PI3P) at the phagosome controls NADPH oxidase activation Z.M. Song ^{1,2} , L. Bouchab ^{1,2} , E. Hudik ^{1,2} , R. Le Bars ² , O. Nüsse ^{1,2} , S. Dupré ^{*1,2} , ¹ Université Paris Sud, France, ² CNRS, France
[P2.005]	TRB3 promotes the development of pulmonary fibrosis and modulates macrophage polarization by suppressing UPS-mediated SLUG degradation X-X. Lv*, S-S. Liu, F. Hua, K. Li, J-J. Yu, Z-W. Hu, <i>Chinese Academy of Medical Sciences & Peking Union Medical College, China</i>
[P2.006]	Lactosylceramide is a key player in immunological functions of human neutrophils K. Iwabuchi*, H. Nakayama, <i>Juntendo University, Japan</i>
[P2.007]	Long-tailed class I myosins coordinate actin remodeling at the membrane during Fc receptor-mediated phagocytosis S.R. Barger ^{*1} , J.L. Ouderkerk ¹ , S.K. Chandhoke ² , M.S. Mooseker ² , R.A. Flavell ² , M. Krendel ¹ , N. Gauthier ³ , ¹ State University of New York Upstate Medical University, USA, ² Yale University, USA, ³ Istituto FIRC di Oncologia Molecolare, Italy

[P2.008]	Roscovitine rescue of pulmonary phagocyte function in the absence of CFTR V. Riazanski* ¹ , A. Gabdoukhakova ¹ , L. Meijer ² , D. Nelson ¹ , ¹ The University of Chicago, USA, ² ManRos Therapeutics, France
[P2.009]	Insights about neutrophil extracellular trap formation, fate and function revealed by in vivo imaging in zebrafish S. Alasmari ^{1,2} , M.C. Keightley ^{1,2} , G.J. Lieschke* ^{1,2} , ¹ Australian Regenerative Medicine Institute, Australia, ² Monash University, Australia
[P2.010]	The TLR4 adaptor TRAM controls phagocytosis of Gram-negative bacteria through interaction with the Rab11-family interacting protein 2 A. Skjesol ¹ , M. Yurchenko ¹ , F. Agliano ^{1,3} , F. Patane ^{1,3} , G. Teti ³ , M. McCaffrey ² , T. Espevik* ¹ , H. Husebye ¹ , ¹ Norwegian University of Science and Technology (NTNU), Norway, ² University College Cork, Ireland, ³ University of Messina, Italy
[P2.011]	Cholesterol dynamics during Fcγ receptor mediated phagocytosis in macrophage S.M. Lu* ^{1,2} , S. Grinstein ^{1,2} , G.D. Fairn ^{1,3} , ¹ University of Toronto, Canada, ² Hospital for Sick Children, Canada, ³ Keenan Research Centre for Biomedical Sciences, Canada
[P2.012]	Investigating the dynamics and functions of phosphatidylinositol 4-phosphate during phagocytosis through live-cell imaging R. Levin* ^{1,2} , G.R.V. Hammond ³ , T. Balla ⁴ , G.D. Fairn ^{2,5} , S. Grinstein ^{1,5} , ¹ Hospital for Sick Children, Canada, ² University of Toronto, Canada, ³ University of Pittsburgh, USA, ⁴ National Institutes of Health, USA, ⁵ St. Michael's Hospital, Canada
[P2.013]	CD47 antibody-induced cellular engulfment by macrophages quantified using automated kinetic live-cell imaging G. Lovell, C. Szybut, K. Patel, N. Bevan, T. Dale, D. Trezise*, <i>Essen BioScience, UK</i>
[P2.014]	Regulation of phagocytosis by the F-BAR proteins PSTPIP1 and PSTPIP2 V. Chitu*, R. de Bruijn, D. Cox, E.R. Stanley, <i>Albert Einstein College of Medicine, USA</i>
[P2.015]	The impact of filamentous target morphology on phagocytosis A. Naufer ¹ , V. Hipolito ² , A. Prashar ¹ , R. Botelho ² , M. Terebiznik* ¹ , ¹ University of Toronto, Canada, ² Ryerson University, Canada
[P2.016]	Competition of apoptotic and necrotic cells for uptake by bone marrow-derived macrophages Z. Budai*, Z. Sarang, Z. Szondy, <i>University of Debrecen, Hungary</i>
[P2.017]	Consequences of loss of retinol saturase enzyme in mice T. Sághy*, Z. Sarang, Z. Szondy, <i>University of Debrecen, Hungary</i>
[P2.018]	Neutrophils discriminate between live and dead bacteria by sensing formylated peptides through formyl peptide receptor 1 G. Lentini*, C. Biondo, G. Mancuso, A. Midiri, C. Beninati, G. Teti, <i>University of Messina, Italy</i>
[P2.019]	Pro-interleukin-1 beta processing in response to streptococci is totally caspase-1 dependent in vitro, but not in vivo F. Patanè*, G. Mancuso, C. Biondo, A. Mididi, C. Beninati, G. Teti, <i>University of Messina, Italy</i>
[P2.020]	Searching for a peptidic natural ligand of Aminopeptidase N/ CD13, a phagocytic receptor G.I. Lopez Cortes*, E. Ortega, <i>Universidad Nacional Autónoma de México, Mexico</i>
[P2.021]	Facing up to the competition: An in vivo role for cytoskeletal competition in chemotaxis and phagocytosis A.J. Davidson*, W. Wood, <i>University of Bristol, UK</i>
[P2.022]	Rab11-family interacting protein 2 (FIP2) mediates phagocytosis of E.coli A. Skjesol* ¹ , M. Yurchenko ¹ , F. Agliano ^{1,2} , F. Patane ^{1,2} , G. Teti ² , M. McCaffrey ³ , T. Espevik ¹ , H. Husebye ¹ , ¹ CEMIR, Norwegian University of Science and Technology, Norway, ² University of Messina, Italy, ³ University College Cork, Ireland
[P2.023]	What's the perfect cup size: How do cells shape their phagocytic cups? C. Buckley* ¹ , A. Gueho ² , T. Soldati ² , J.S. King ¹ , ¹ The University of Sheffield, UK, ² The University of Geneva, Switzerland
[P2.024]	Mechanical destruction of phagosome contents in macrophages M. Poirier, R.E. Harrison*, <i>University of Toronto, Canada</i>
[P2.025]	Examining the spatial organization of CD47-SIRPα signaling M.A. Morrissey*, R.D. Vale, <i>University of California San Francisco, USA</i>
[P2.026]	Paradox not: Neutrophils transcribe genomic DNA for a deadly cause N. Palaniyar* ^{1,2} , M.A. Khan ^{1,2} , ¹ The Hospital for Sick Children, Canada, ² University of Toronto, Canada
[P2.027]	JNK uniquely regulates ROS production and NADPH oxidase-dependent netosis M. Khan* ^{1,2} , A. Farahvash ^{1,2} , J-C. Licht ^{1,2} , N. Sweezey ^{1,2} , N. Palaniyar ^{1,2} , ¹ The Hospital for Sick Children, Canada, ² University of Toronto, Canada

Tissue-specialized Macrophages	
[P2.028]	Neuronal cue on macrophages enhances pathological neovascularization; roles of CGRP-RAMP1 signaling M. Majima, <i>Kitasato University School of Medicine, Japan</i>
[P2.029]	Scanning-electromicroscopic observation of Hofbauer cells in the stroma of chorionic villi of the human placenta G. Radenkovic*, V. Savic, D. Sokolovic, <i>University of Nis, Serbia</i>
[P2.030]	Coupled proliferation and apoptosis maintain the rapid turnover of microglia in the adult brain K. Askew ¹ , K. Li ² , F. Garcia-Moreno ³ , Y. Liang ² , K. Riecken ⁴ , Z. Molnar ³ , M.S. Cragg ¹ , O. Garaschuk ² , V.H. Perry ¹ , D. Gomez-Nicola* ¹ , ¹ University of Southampton, UK, ² University of Tübingen, Germany, ³ University of Oxford, UK, ⁴ University Medical Center Hamburg-Eppendorf, Germany
[P2.031]	Targeted disruption of rat colony stimulating factor 1 receptor C. Pridans* ¹ , G.M. Davis ² , A. Raper ¹ , S. Meek ¹ , A.J. Thomson ³ , R. Wallace ¹ , K.A. Sauter ¹ , M.T. Cheeseman ¹ , T. Burdon ¹ , D.A. Hume ¹ , ¹ University of Edinburgh, UK, ² University of Manchester, UK, ³ New World Laboratories, USA, ⁴ University of Queensland, Australia
[P2.032]	Newly developed dental ceramic implants to tune inflammation by targeting lymphocytes and to home ovine neural crest-related stem cells (ovine NCSCs) W.D. Grimm* ¹ , S. Sirak ¹ , A. Sletov ¹ , T. Kobylkina ¹ , T. Fritsch ² , ¹ Stavropol State Medical University, Russia, ² St. Elisabethen University Bratislava, Switzerland
[P2.034]	Recipient bone marrow (BM) macrophages are vital for haematopoietic stem cell (HSC) engraftment post autologous transplantation (Tx) S. Kaur* ¹ , L.J. Raggatt ¹ , R.N. Jacobsen ¹ , S. Millard ¹ , I.G. Winkler ¹ , K.P.A. MacDonald ² , A.C. Perkins ¹ , D.A. Hume ³ , J.P. Levesque ¹ , A.R. Pettit ¹ , ¹ The University of Queensland, Australia, ² Queensland Institute of Medical Research, Australia, ³ The University of Edinburgh, UK
[P2.036]	Molecular imaging with Kupffer Cell-targeting nanobodies for diagnosis and prognosis in mouse models of liver pathogenesis F. Zheng ^{1,2} , A. Sparkes ^{1,2} , P. De Baetselier ^{1,2} , S. Schoonoghe ^{1,2} , B. Stijlemans ^{1,2} , S. Muyldermans ¹ , J. Van Ginderachter ^{1,2} , N. Devoogdt ¹ , G. Raes ^{1,2} , A. Beschin* ^{1,2} , ¹ Vrije Universiteit Brussel, Belgium, ² VIB Inflammation Research Center, Belgium
[P2.037]	Understanding the dynamics of leukocyte sequestration during cerebral malaria pathogenesis R. Jain* ^{1,2} , S. Pai ^{1,2} , A. Mitchell ^{1,2} , S. Tikoo ^{1,2} , M. Hickey ³ , N.H. Hunt ^{2,4} , P.G. McMenamin ³ , G.E.R. Grau ² , W. Weninger ^{1,5} , ¹ The Centenary Institute, Australia, ² Sydney Medical School, Australia, ³ Monash University, Australia, ⁴ Bosch Institute, Australia, ⁵ Royal Prince Alfred Hospital, Australia
[P2.038]	FDA-drug screen to study the regulation of macrophage polarization K. Auvinen*, S. Jalkanen, M. Salmi, <i>University of Turku, Finland</i>
[P2.039]	Kupffer cells regulate the onset of immune response against <i>Listeria monocytogenes</i> infection C. Abels* ^{1,2} , D. Torres ³ , A. Kohler ¹ , M. Williams ¹ , J. Van Ginderachter ^{1,2} , P. De Baetselier ^{1,2} , V. Flamand ³ , A. Beschin ^{1,2} , ¹ Vlaams Instituut voor Biotechnologie, Belgium, ² Vrije Universiteit Brussel, Belgium, ³ Institute of Medical Immunology, Belgium
[P2.040]	Stabilin-1⁺ macrophages are key regulators of liver fibrosis P. Rantakari* ¹ , D.A. Patten ² , H. Gerke ¹ , H. Dawes ² , S. Ohlmeier ³ , K. Elima ¹ , S. Jalkanen ¹ , D.H. Adams ² , M. Salmi ¹ , S. Shetty ² , ¹ University of Turku, Finland, ² University of Birmingham, UK, ³ University of Oulu, Finland
[P2.041]	Origin and homeostasis of lymph node resident macrophages M. Baratin*, L. Simon, M. Bajenoff, <i>INSERM U1104, CNRS UMR7280, France</i>
[P2.042]	Functional activity of gut CX3CR1+ macrophages in colitis-induced cancer G. Marelli, M. Erreni, C. Belgiovine, A. Mantovani, P. Allavena*, <i>Humanitas Research Hospital, Italy</i>
[P2.043]	Metabolic programming in adipose tissue macrophages L. Boutens* ¹ , J. van der Reest ¹ , X. van Dierendonck ¹ , R. Stienstra ¹ , ¹ Wageningen University, The Netherlands, ² Radboud University Nijmegen Medical Centre, The Netherlands
[P2.044]	Increased erythrophagocytosis due to transfusions of storage-damaged red blood cells leads to macrophage cell death and inflammation in mice L.A. Youssef*, A. Rebbaa, S.L. Spitalnik, <i>Columbia University, USA</i>
[P2.045]	The purinergic receptor P2Y12 mediates amyloid-beta clearance by microglia C-H. Andersson ¹ , S. Strand ¹ , P. Kettunen* ^{1,2} , ¹ University of Gothenburg, Sweden, ² University of Oxford, UK
[P2.046]	<i>Schistosoma Mansoni</i> infection induces anti-atherogenic transcriptional changes in hepatic macrophages A. Elvington ² , D. Cortes-Selva ¹ , A. Ready ¹ , E.J. Pearce ² , R.W. Grant ¹ , G.J. Randolph ² , K.C. Fairfax* ¹ , ¹ Purdue University, USA, ² Washington University School of Medicine, USA
[P2.047]	Perivascular LYVE-1 expressing macrophages as gatekeepers of large blood vessel homeostasis V. Angeli* ¹ , H.Y. Lim ¹ , S.Y. Lim ¹ , L.H. Lim ¹ , C.C. Goh ² , X.N. Wong ¹ , P. See ¹ , C.H. Tan ³ , L.G. Ng ² , F.G.

	Ginhoux ² , ¹ National University of Singapore, Singapore, ² A*STAR SgN, Singapore, ³ Nanyang Technological University, Singapore, ⁴ New Castle University, UK
[P2.048]	The developmental role of CSF1R in driving microglial heterogeneity K. Grabert*, R. Rojo, P. Hohenstein, D. Hume, <i>The University of Edinburgh, UK</i>
[P2.049]	Using a CRISPR-Cas9 genome engineering strategy for functional dissection of Csf1r regulatory elements in a FusionRed reporter mouse E. Wollscheid-Lengeling*, K. Grabert, R. Rojo, A. Lengeling, P. Hohenstein, D. Hume, <i>The Roslin Institute and Royal (Dick) School of Veterinary Studies, UK</i>
[P2.050]	Macrophage inflammatory effects enhances MMP-12 production in oral tissue M. Svensson*, S. Björnfort, <i>Karolinska Institutet, Sweden</i>
[P2.051]	Stabilin-1 is a functional biomarker for pro-fibrotic macrophages predicting pathological heart remodelling in patients with heart failure K. Moganti ^{1,3} , K. Wassilew ² , B. Song ¹ , E. Potapov ² , T. Krabatsch ² , M. Dandel ² , A. Mickley ¹ , H. Klüter ^{1,3} , R. Hetzer ² , J. Kzhyshkowska ^{1,3} , ¹ Heidelberg University, Germany, ² German Heart Centre Berlin, Germany, ³ German Red Cross Blood Service Baden-Württemberg-Hessen, Germany
[P2.052]	Evidence for a dual function of monocyte-derived mononuclear phagocytes during chronic intestinal inflammation A. Rivollier ¹ , L. Pool ¹ , U. Frising ² , E. Danilova ^{3,4} , W.W. Agace ^{1,2} , ¹ Danish Technical University, Denmark, ² Lund University, Sweden, ³ Oslo University Hospital-Rikshospitalet, Norway, ⁴ University of Oslo, Norway
[P2.053]	The intriguing role of macrophages in H. Pylori gastritis A. Ieni, L. Rigoli, R. Caruso*, V. Barresi, G. Branca, G. Tuccari, <i>University of Messina, Italy</i>
[P2.054]	Loss of microglia homeostasis triggers sterile CNS inflammation and neurodegeneration S.J. Rubino*, L. Mayo, A. Madi, <i>Harvard Medical School, USA</i>
[P2.055]	Impairment of systemic DHA synthesis affects macrophage plasticity and polarization E. Talamonti ¹ , A.M. Pauter ¹ , A. Asadi ¹ , V. Chirchiu ² , A. Jacobsson ¹ , ¹ Stockholm University, Sweden, ² IRCCS Santa Lucia Foundation, Italy
[P2.056]	Massive infiltration of macrophages and eosinophils in the muscle of mice overexpressing Aire in thymic and peripheral antigen-presenting cells H. Nishijima, M. Matsumoto*, <i>Tokushima University, Japan</i>
[P2.057]	Identification of factors guiding monocyte differentiation to macrophages in small and large intestine M. Gross*, B. Bernshtein, Y. Segal-Hayoun, E. David, S. Jung, <i>Weizmann Institute of Science, Israel</i>
[P2.058]	Brown adipose tissue macrophages control tissue innervation and homeostatic energy expenditure Y. Wolf ¹ , S. Boura-Halfon ¹ , N. Cortese ² , Y. Kuperman ¹ , V. Kalchenko ¹ , A. Brandis ¹ , E. David ¹ , Y. Segal-Hayoun ¹ , L. Maor ¹ , S. Jung ¹ , ¹ Weizmann Institute of Science, Israel, ² Humanitas Clinical and Research Center, Italy
Phagocytes in the Tumor Environment	
[P2.059]	M3 switch macrophage phenotype: Reprogramming, properties and implication in cancer immunotherapy I. Malyshev*, S. Lyamina, S. Kalish, <i>Moscow State University of Medicine and Dentistry, Russia</i>
[P2.060]	Macrophage-specific deletion of STAT5 disrupts normal mammary gland development and accelerates mammary tumorigenesis N. Brady*, M. Farrar, K. Schwertfeger, <i>University of Minnesota, USA</i>
[P2.061]	Overgrowth promoting role of Drosophila macrophages N. Diwanji ¹ , C.E. Fogarty ¹ , J.L. Lindblad ¹ , M. Tare ¹ , A. Amcheslavsky ¹ , Y. Fan ² , A. Bergmann ¹ , ¹ University of Massachusetts Medical School, USA, ² University of Birmingham, UK
[P2.062]	Phenotypic and functional characteristics of tumor associated macrophages M.A. Cannarile ¹ , C.H. Ooi ² , C. Watson ¹ , D. Maisel ¹ , A-M. Broeske ¹ , T. Racek ² , A. Kiiialainen ² , L.P. Pradel ¹ , I. Klamann ¹ , C. Gomez-Rocha ¹ , ¹ Roche Diagnostics GmbH, Germany, ² Roche Pharma AG, Switzerland, ³ Institut Universitaire Du Cancer de Toulouse, France
[P2.063]	Tissue selective contributions of monocytes and macrophages to antibody dependent tumor immunotherapy F. Nimmerjahn*, M. Biburger, B. Lehmann, <i>Institute of Genetics, Germany</i>
[P2.064]	Bnip3: A key modulator of melanoma-macrophages interface E. Romano*, H. Maes, A. Garg, H. Korf, P. De Witte, P. Agostinis, <i>KU Leuven, Belgium</i>
[P2.065]	Understanding the role of perivascular macrophages in breast cancer development and metastasis S. Tikoo ^{1,2} , R. Jain ^{1,2} , L. Shaw ¹ , L. Cavanagh ^{1,2} , W. Weninger ^{1,3} , ¹ The University of Sydney, Australia, ² Sydney Medical School, Australia, ³ Royal Prince Alfred Hospital, Australia
[P2.066]	M-CSF and GM-CSF receptor signaling differentially regulate monocyte maturation and macrophage

	polarization in the tumor microenvironment E. Van Overmeire, B. Stijlemans, D. Laoui, J.A. Van Ginderachter*, <i>Vrije Universiteit Brussel, Belgium</i>
[P2.067]	The role of deregulated DNA damage response in tumor associated macrophages A.R. Goloudina ² , E.Y. Kochetkova ¹ , T. Hadi ² , F. Lirusi ² , B. Uyanik ² , O.N. Demidov ^{*1,2} , ¹ <i>Institute of Cytology, Russia</i> , ² <i>INSERM U866, France</i>
[P2.068]	Increase of macrophages in the tumor environment favors escape of tumor cells to proximal lymph nodes in ocular melanoma model J.R. Carvalho ¹ , M.A. Lallo ¹ , J.G. Xavier ¹ , L. Bonamin ¹ , J.D. Lopes ² , E.C. Perez ^{*1,2} , ¹ <i>Universidade Paulista, Brazil</i> , ² <i>Universidade Federal de São Paulo, Brazil</i>
[P2.069]	Synergy between interferon-γ and several toll-like receptor (TLR) ligands for induction of tumoricidal activity in macrophages E. Müller ^{1,2} , S. Halder ¹ , A. Lunde ¹ , K. Beraki ¹ , I. Øynebråten ¹ , A. Corthay ^{*1,2} , ¹ <i>Oslo University Hospital, Norway</i> , ² <i>University of Oslo, Norway</i>
[P2.070]	Direct and indirect modulation of macrophages in the tumor microenvironment upon genotoxic stress alters phagocytic function D. Vorholt, T. Erlikh, N. Nickel, M. Hallek, C. Pallasch*, <i>University Hospital of Cologne/CECAD, Germany</i>
[P2.071]	Response of TAMs to sphingolipid danger signals M. Korbelik, <i>British Columbia Cancer Agency, Canada</i>
[P2.072]	Tumor macrophages are pivotal constructors of tumorigenic collagenous matrix R. Afik ³ , E. Zigmond ^{1,2} , M. Vugman ^{1,2} , M. Klepfish ³ , E. Shimshoni ³ , M. Pasmanik-Chor ² , Z. Halpern ^{1,2} , T. Geiger ² , I. Sagi ³ , C. Varol ^{*1,2} , ¹ <i>Tel-Aviv Sourasky Medical Center, Israel</i> , ² <i>Tel-Aviv University, Israel</i> , ³ <i>Weizmann Institute of Science, Israel</i>
[P2.073]	A human FcγR expressing mouse model for the study of human therapeutic antibodies against human cancers E. Casey ^{*1,2} , S. Bournazos ³ , J.V. Ravetch ³ , D.A. Scheinberg ^{1,2} , ¹ <i>Gerstner Sloan Kettering Graduate School, USA</i> , ² <i>Memorial Sloan Kettering Cancer Center, USA</i> , ³ <i>Rockefeller University, USA</i> , ⁴ <i>Weill Cornell Graduate School, USA</i>
[P2.074]	CD147 active vaccination: A new immunotherapy that inhibits tumor growth and metastasis M.A. Rahat ^{*1,2} , E. Simanovich ^{1,2} , M.M. Rahat ¹ , E. Drazdov ¹ , M. Walter ¹ , V. Brod ¹ , ¹ <i>Carmel Medical Center, Israel</i> , ² <i>Technion-Institute of Technology, Israel</i>
[P2.075]	A CD47xCD19 bispecific antibody harnesses the phagocytic potential of tumor-associated macrophages (TAMs) to suppress B-cell lymphoma growth in mice S. Majocchi*, X. Chauchet, V. Buatois, L. Shang, K. Masternak, Z. Johnson, M. Kosco-Vilbois, N. Fischer, W. Ferlin, <i>Novimmune S.A., Switzerland</i>
[P2.076]	The p50 NF-κB subunit is a prognostic regulator of colorectal cancer-associated inflammation C. Porta ^{*1} , A. Ippolito ¹ , F.M. Consonni ¹ , L. Carraro ¹ , G. Celesti ² , F. Grizzi ² , F. Pasqualini ² , S. Tartari ² , L. Laghi ² , A. Sica ^{1,2} , ¹ <i>Università del Piemonte Orientale "Amedeo Avogadro", Italy</i> , ² <i>Humanitas Clinical and Research Center, Italy</i>
[P2.077]	Tumor-associated macrophages are recruited and differentiated in the neoplastic stroma of oral squamous cell carcinoma A.A.M. Essa ¹ , M. Yamazaki ¹ , S. Maruyama ¹ , J. Cheng ¹ , T. Saku ^{*1,2} , ¹ <i>Niigata University, Japan</i> , ² <i>Osaka Dental University, Japan</i>
[P2.078]	Macrophage-secreted YKL-39 stimulates monocyte migration and reversely correlates with hematogenous and lymphatic metastasis in human breast cancer I. Mitrofanova ^{1,2} , T. Liu ¹ , B. Song ¹ , M. Buldakov ^{1,2} , M. Zavjalova ^{2,3} , N. Litviakov ^{2,3} , N. Cherdyntseva ¹ , H. Klüter ^{1,4} , J. Kzhyshkowska ^{*1,4} , ¹ <i>Heidelberg University, Germany</i> , ² <i>Tomsk State University, Russia</i> , ³ <i>Tomsk Cancer Research Centre, Russia</i> , ⁴ <i>German Red Cross Blood Service Baden-Württemberg-Hessen, Germany</i>
[P2.079]	In depth profiling of tumor associated macrophages using mass cytometry revealed a new population correlating with exhausted T cells S. Chevrier ^{*1} , J. Levine ² , D. Schulz ¹ , G. Gedye ³ , D. Pe'er ² , B. Reis ⁴ , B. Bodenmiller ¹ , ¹ <i>University of Zurich, Switzerland</i> , ² <i>Columbia University, USA</i> , ³ <i>Calvary Mater Newcastle, Australia</i> , ⁴ <i>F. Hoffmann-La Roche Ltd., Switzerland</i>
[P2.080]	CLEVER-1/Stabilin-1 is involved in maintaining the anti-inflammatory phenotype of monocytes and tumor-associated macrophages M. Viitala, R. Virtakoivu, S. Jalkanen, M. Hollmen*, <i>University of Turku, Finland</i>
[P2.081]	Hyperosmolarity inhibits cross-priming capacity of dendritic cells Z.V. Popovic ^{*1} , M. Embgenbroich ² , F. Chessa ¹ , V. Nordström ¹ , W. Kolanus ² , S. Burgdorf ² , H-J. Gröne ¹ , ¹ <i>German Cancer Research Center, Germany</i> , ² <i>Life & Medical Sciences Institute, Germany</i>

[P2.082]	The impact of dietary iron on gut immunity and colorectal cancer D.H. Stones*, A-M. Krachler, <i>University of Birmingham, UK</i>
[P2.083]	Targeting warburg metabolism in macrophages to control metastasis in pancreatic ductal adenocarcinoma H-X. Penny ¹ , J-L. Sieow ¹ , G. Adriani ^{1,2} , W-H. Yeap ¹ , R.D. Kamm ^{1,2} , S-C. Wong* ¹ , ¹ <i>Singapore Immunology Network, Singapore</i> , ² <i>Singapore-MIT Alliance for Research and Technology, Singapore</i>
Phagocytes and Pathogen Sensing	
[P2.084]	Hypoxic signalling modulates neutrophil nitric oxide in a zebrafish model of TB infection A. Lewis ¹ , M. van der Vaart ² , F.J. van Eeden ¹ , H.P. Spaink ² , S.R. Walmsley ³ , S.A. Renshaw ¹ , A.M. Meijer ² , P.M. Elks* ¹ , ¹ <i>University of Sheffield, UK</i> , ² <i>Leiden University, The Netherlands</i> , ³ <i>University of Edinburgh, UK</i>
[P2.085]	The group B Streptococcus-secreted protein CIP interacts with C4, preventing C3b deposition via the lectin and classical complement pathways G. Pietrocola* ¹ , S. Rindi ¹ , R. Rosini ² , S. Buccato ² , P. Speziale ¹ , I. Margarit ² , ¹ <i>University of Pavia, Italy</i> , ² <i>GSK Vaccines S.r.l., Italy</i>
[P2.086]	Emerging role of fractalkine in the modulation of phagocytic activity of microglia cells A. Basta-Kaim*, B. Budziszewska, J. Slusarczyk, M. Kubera, E. Trojan, K. Chamera, K. Glombik, M. Leskiewicz, <i>Institute of Pharmacology PAS, Poland</i>
[P2.087]	Macrophage recognition of human and murine helminths B. Volpe*, T. Bouchery, N. Harris, <i>EPFL, Global Health Institute, Switzerland</i>
[P2.088]	To control or to be controlled: Role of cathepsins in Mycobacterium tuberculosis survival within human macrophages D. Pires, J. Marques, J. Palma Pombo, N. Carmo, P. Bettencourt, E. Anes*, <i>Universidade de Lisboa, Portugal</i>
[P2.089]	Role of the H2A deubiquitinase MYSM1 in innate immune regulation S. Panda ¹ , J.A. Nilsson ² , N.O. Gekara* ¹ , ¹ <i>Umeå University, Sweden</i> , ² <i>University of Gothenburg, Sweden</i>
[P2.090]	HIV-2 interaction with macrophages and dendritic cells - blockade of viral replication cycle after integration step M. Calado, D. Pires, E. Anes, J.M. Azevedo-Pereira*, <i>University of Lisbon, Portugal</i>
[P2.091]	Unraveling the role of scavenger receptors in Listeria infection R. Pombinho* ^{1,2} , S. Sousa ¹ , D. Cabanes ¹ , ¹ <i>Instituto de Biologia Molecular e Celular, Portugal</i> , ² <i>Instituto de Ciências Biomédicas Abel Salazar, Portugal</i>
[P2.093]	Microsporidiosis: Understanding the role of nitric oxide produced by macrophages in disease control A. Pereira ^{1,3} , E.C. Perez* ^{1,2} , A.M. Alvares-Saraiva ^{1,2} , M.A. Lallo ^{1,3} , ¹ <i>Universidade Paulista, Brazil</i> , ² <i>Universidade Federal de São Paulo, Brazil</i> , ³ <i>Centro Universitário São Camilo, Brazil</i>
[P2.094]	Enhancing Th₁₇-driven immunity to tuberculosis by boosting CD40 engagement on M. tuberculosis-infected dendritic cells J.K. Sia, R. Madan-Lala, J. Rengarajan*, <i>Emory University, USA</i>
[P2.095]	High IFN-γ/CD64 predicts therapeutic failure in human leishmaniasis and CD64+ M1 elimination protects Leishmania-infected HuCD64-transgenic mice: A novel M1 paradox? R. Khouri ^{1,2} , G. Soares ¹ , S. Barth ^{3,4} , G. Silva-Santos ¹ , J.M. Costa ¹ , L. Farre ¹ , A. Barral ^{1,5} , M. Barral-Netto ^{1,5} , T. Thepen ³ , J. Van Weyenbergh* ^{1,2} , ¹ <i>CPqGM-FIOCRUZ, Brazil</i> , ² <i>KU Leuven, Belgium</i> , ³ <i>Fraunhofer IME, Germany</i> , ⁴ <i>University Hospital RWTH Aachen, Germany</i> , ⁵ <i>Institute for Immunological Investigation, iii-INCT, Brazil</i>
[P2.096]	Phagocytes and parasites; a marriage of convenience M. Chatterjee* ¹ , D. Mukhopadhyay ² , S. Roy ¹ , S. Mukherjee ¹ , ¹ <i>Institute of Postgraduate Medical Education & Research, India</i> , ² <i>University of California, USA</i>
[P2.097]	The role of macrophages in sensing hepatitis C virus and their profile in the liver of HCV-infected patients E.A. Said* ¹ , Y. Zhang ^{2,3} , I. Al-Reesi ¹ , M. Al-Riyami ¹ , K. Al-Namani ⁴ , M. El-Far ^{2,3} , M.S. Al-Balushi ¹ , P. Ancuta ^{2,3} , R.P. Sekaly ^{2,5} , A.A. Al-Jabri ¹ , ¹ <i>Sultan Qaboos University, Oman</i> , ² <i>Centre Hospitalier de l'Université de Montréal (CRCHUM), Hôpital Saint-Luc, Canada</i> , ³ <i>Vaccine and Gene Therapy Institute-Florida (VGTI-FL), USA</i> , ⁴ <i>Armed Forces Hospital, Oman</i> , ⁵ <i>Case Western Reserve University, USA</i>
[P2.098]	Muse cells as tissue repairing stem cells: A role of phagocytosis in their differentiation M. Dezawa, <i>Tohoku University, Japan</i>
[P2.099]	Unusual localization of CD14 in macrophage is involved in resistance to LPS- or LPS/cycloheximide-induced death A. Koike*, K. Kohama, K. Fujimori, F. Amano, <i>Osaka University of Pharmaceutical Sciences, Japan</i>
[P2.100]	Mycobacteria lead to multinucleated giant macrophage formation via dysregulation of iNOS and p53 K. Gharun*, J. Senges, P. Henneke, <i>University Medical Center Freiburg, Germany</i>
[P2.101]	cAMP signaling of Bordetella adenylate cyclase toxin through the SHP-1 phosphatase activates the

	BimEL-Bax pro-apoptotic cascade in phagocytes J.N. Ahmad*, O. Cerny, I. Linhartova, J. Masin, R. Osicka, P. Sebo, <i>Institute of Microbiology of the CAS, v.v.i., Czech Republic</i>
[P2.102]	Differential neutrophil responses to bacterial stimuli: Streptococcal strains are potent inducers of heparin-binding protein and resistin-release J. Snäll ¹ , A. Linnér ¹ , J. Uhlmann ¹ , N. Siemens ¹ , M. Janos ¹ , A. Linder ² , B. Kreikemeyer ³ , H. Herwald ² , L. Johansson ¹ , A. Norrby-Teglund* ¹ , ¹ <i>Karolinska Institutet, Sweden</i> , ² <i>Lund University, Sweden</i> , ³ <i>Rockstock University Medical Center, Germany</i>
[P2.103]	Myeloid cells recruited to the spleen during Salmonella infection deregulate T-cell responses J. Yadav* ^{1,2} , N. Dikshit ^{1,2} , A. Qadri ¹ , ¹ <i>National Institute of Immunology, India</i> , ² <i>Duke-NUS Graduate Medical School, Singapore</i>
[P2.104]	Deciphering the biofilm-macrophage interactome A.F. Fuchs*, M.C.B.A. Ammons, V.C. Copie, <i>Montana State University, USA</i>
[P2.105]	The Drosophila CD36 homologue croquemort is required to maintain immune and gut homeostasis during development and aging A. Guillou ¹ , H. Wang ¹ , K. Sotelo-Troha ² , N.C. Franc* ¹ , N. Buchon ² , ¹ <i>The Scripps Research Institute, USA</i> , ² <i>Cornell University, USA</i>
[P2.106]	Yersinia pseudotuberculosis exploits CD209 receptors to promote host dissemination and infection K. Yang, J. Klena, M. Skurnik, T. Chen*, <i>Tongji Hospital, China</i>
[P2.107]	Vaccinia viral A26 protein and virus entry regulation in BMDM cells S.K.B. Kasani*, H-Y. Cheng, K-H. Yeh, W-C. Hsu, W. Chang, <i>Institute of Molecular Biology, Taiwan</i>
[P2.108]	Identification of immunogenic peptides from Sporothrix brasiliensis: Possible candidates for a vaccine in experimental sporotrichosis J.R.F. Almeida*, G.P. Jannuzzi, G.H. Kaihami, S.R. Almeida, <i>Universidade de São Paulo, Brazil</i>
[P2.109]	Effects of the adenylate cyclase toxin from Bordetella pertussis on host phagocytes in the airways of mice and non-human primates N. Klimova* ^{1,2} , T. Naninck ³ , S. Tricot ³ , R. Le Grand ³ , L. Bumba ¹ , C. Chapon ³ , P. Sebo ¹ , ¹ <i>Institute of Microbiology of the CAS, v. v. i., Czech Republic</i> , ² <i>Charles University in Prague, Czech Republic</i> , ³ <i>Université Paris Sud, France</i>
[P2.110]	Differential activity of natural resistance-associated macrophage protein 1 (Nramp1) on pathogenic Burkholderia pseudomallei and non-pathogenic Burkholderia thailandensis-infected macrophages V. Muangsombut ¹ , P. Withatanung ¹ , V. Srinooon ¹ , G.J. Bancroft ² , J.M. Blackwell ³ , S. Korbsrisate* ¹ , ¹ <i>Mahidol University, Thailand</i> , ² <i>London School of Hygiene and Tropical Medicine, UK</i> , ³ <i>University of Western Australia, Australia</i>
All categories	
[P2.111]	Peroxioredoxin1 deficiency reduce cholesterol efflux via impaired macrophage lipophagic flux S-J. Jeong, S. Kim, S.H. Lee, G.T. Oh*, <i>Ewha Womans University, Republic of Korea</i>
[P2.112]	Macrophages: Key cells at the interface of iron metabolism and infectious diseases C. Delaby ¹ , N. Pilard ¹ , A. Willemetz ² , A. Auriac ² , L. Marques ¹ , L. Robert ¹ , A. Rubio ¹ , F. Canonne-Hergaux* ¹ , ¹ <i>INSERM, France</i> , ² <i>CNRS, France</i>
[P2.113]	Specification of tissue-resident macrophages during organogenesis E. Mass* ¹ , I. Ballesteros ¹ , M. Farlik ² , F. Halbritter ² , P. Günther ³ , J.L. Schultze ³ , M. Beyer ³ , C. Bock ² , F. Geissmann ¹ , ¹ <i>Memorial Sloan Kettering Cancer Center, USA</i> , ² <i>The Austrian Academy of Sciences, Austria</i> , ³ <i>Life and Medical Sciences Institute, Germany</i>
[P2.114]	M1/M2 macrophages' balance is altered in multiple sclerosis A. Leuti* ^{1,2} , A. Gentile ^{1,3} , D. Fresegha ^{1,3} , S. Bullitta ^{1,3} , L. Battistini ¹ , D. Centonze ^{3,4} , V. Chiurchiù ^{1,2} ¹ <i>European Center for Brain Research (CERC)/Santa Lucia Foundation, Italy</i> , ² <i>Campus Bio-Medico University of Rome, Italy</i> , ³ <i>Tor Vergata University and Hospital, Italy</i> , ⁴ <i>IRCCS Neuromed, Italy</i>
[P2.115]	Expression and role of the long pentraxin PTX3 in lymphatic endothelial cells M. Sironi* ¹ , A. Doni ¹ , S. Valentino ¹ , M. Nebuloni ² , F. Pasqualini ¹ , A. Vecchi ¹ , C. Garlanda ¹ , B. Bottazzi ¹ , A. Mantovani ^{1,3} , ¹ <i>Humanitas Research Hospital, Italy</i> , ² <i>Luigi Sacco Hospital, Italy</i> , ³ <i>Humanitas University, Italy</i>
[P2.116]	Disruption of the SP-A receptor SP-R210 (Myosin 18A/CD245) in alveolar macrophages enhances recovery from severe influenza infection K. Fino, L. Yang, P. Silveyra, S. Hu, S. Diangelo, Z. Chroneos*, <i>Pennsylvania State University College of Medicine, USA</i>

Note:

Withdrawn - P1.092, P2.033, P2.035, P2.092