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, *University of Haifa, Israel*
[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, *University of Amsterdam, The Netherlands*
[P1.003]	**The cytokine interferon-beta has antimicrobial properties** A. Kaplan*[1], 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]*University of California Los Angeles, USA,* [2]*Cedars-Sinai Medical Center, USA*
[P1.004]	**P2X7 mediated innate phagocytosis in neurodegenerative diseases** B.J. Gu*, X. Huang, W. Ou, J.S. Wiley, *The Florey Institute of Neuroscience & Mental Health, Australia*
[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, *Huashan Hospital, Fudan University, China*
[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], [1]*The Francis Crick Institute, UK,* [2]*University of Oslo, Norway*
[P1.007]	**Dendritic cells and monocytes with distinct inflammatory responses reside in lung mucosa of healthy humans** F. Baharom*[1], 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]*Karolinska Institutet, Sweden,* [2]*Umeå University, Sweden*
[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], [1]*Universidade Federal de Minas Gerais, Brazil,* [2]*Harvard Medical School, USA,* [3]*University of Calgary, Canada*
[P1.009]	**Long term changes in lung immunity induced by influenza infection** H. Aegerter*[1], S. Crotta[1], S. Beinke[2], A. Wack[1], [1]*Francis Crick Insitute, UK,* [2]*GlaxoSmithKline, UK*
[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]*William Harvey Research Institute, UK,* [2]*Harvard Medical School, USA*
[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], [1]*University of Leuven, Belgium,* [2]*Humanitas Clinical and Research Center, Italy*
[P1.012]	**Intracellular processing of Aspergillus fumigatus conidia with macrophages requires lipid rafts** F. Schmidt*[1], H. Schmidt[1], T. Heinekamp[1,3], S.F. Filler[2], A.A. Brakhage[1,3], [1]*Leibniz Institute for Natural Product Research and Infection Biology – Hans Knöll Institute (HKI), Germany,* [2]*Biomedical Research Institute at Harbor-UCLA Medical Center, USA,* [3]*Friedrich Schiller University, Germany*
[P1.013]	**The role of microRNA let-7f in tuning the immune response in Mycobacterium tuberculosis infection** M. Kundu*, J. Basu, *Bose Institute, India*
[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], [1]*National Research Council, Italy,* [2]*University of Perugia, Italy*
[P1.015]	**Interaction between dendritic cells and macrophages in secondary lymphoid organs as well as in tumor stroma** S. Sohn*[1], D. Dudziak[2], M.C.I. Karlsson[1], [1]*Karolinska Institutet, Sweden,* [2]*University Hospital of Erlangen, Germany*
[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]*Hans Knoell Institute, Germany,* [2]*UCLA Medical Center, USA,* [3]*Friedrich Schiller University Jena, Germany*
[P1.017]	**CD109 is a key regulator of the IL-23/IL-17 immune axis in the skin** I.L. King*, G.V. Carnevale, *McGill University, Canada*
[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, *University of California, San Diego, USA*
[P1.020]	**NET formation requires reentry into a noncanonical cell cycle** B. Amulic*, A. Zychlinsky, *Max Planck Institute for Infection Biology, Germany*

[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, *University of Melbourne, Australia*
[P1.022]	**Distinct inflammatory responses of leukocytes exposed to planktonic and biofilm-forming *Pseudomonas aeruginosa:* A role of biofilm-associated neutrophils in tissue injury** J. Marcinkiewicz*, M. Ciszek-Lenda, M. Strus, M. Walczewska, A. Machul, D. Mikolajczyk, *Jagiellonian University Medical College, Poland*
[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. Rebala, M. Skotarczak, M. Dubaniewicz-Wybieralska, B. Rekawiecki, K. Wozniak, O. Okuniewski, J.M. Slominski, *Medical University of Gdansk, Poland*
[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, *Ulm Univeristy, Germany*
[P1.030]	**Pathological levels of apoptosis impair macrophage behavior in drosophila** H. Roddie, E.L. Armitage, I.R. Evans*, *University of Sheffield, UK*
[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*, *Institut Pasteur, France*
[P1.032]	**Formation of organized macrophage aggregates in response to *Streptococcus iniae* infection depends on neutrophil-macrophage crosstalk** W.J.B. Vincent*, E.A. Harvie, A. Huttenlocher, *University of Wisconsin-Madison, USA*
[P1.033]	**Protection from systemic candida albicans infection by inactivation of the sts phosphatases** D. Frank*, S. Naseem, J. Konopka, N. Carpino, *Stony Brook University, USA*
[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, *The Hospital for Sick Children, Canada*
[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, *Technion Institute of Technology, Israel*
[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]Konan University, Japan, [2]Marine Biological Laboratory, USA, [3]Okayama University of Science, Japan, [4]SAISEI MIRAI Clinic, Japan*
[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*, *Jagiellonian University, Poland*
[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, *CEA, France*

[P1.040]	**Restoration of macrophage clearance of the human fungal pathogen Cryptococcus neoformans 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]University of Sheffield, UK, [2]University of Birmingham, UK*
[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]King's College London, UK, [2]GlaxoSmithKline, UK*
[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]University of Bristol, UK, [2]University of Sheffield, UK*
[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*, *University of Oxford, UK*
[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, *University of Edinburgh, UK*
[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]McGill University, Canada, [2]Harvard University, USA*
[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]C3M Nice, France, [2]Washington University, USA, [3]University of South Florida, USA*
[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, *University College London, UK*
[P1.048]	**Studying the integration of immune and metabolic pathways in Drosophila** C.A. Brennan*, M. Prasad, N. Islam, M. Roshandell, *California State University, USA*
[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]Université Paris Descartes, France, [2]Cornell University, USA, [3]University of Liverpool, UK*
[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]Yale University, USA, [2]Massachusetts Institute of Technology, USA, [3]The Broad Institute of MIT and Harvard, USA*
[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]Food and Drug Adminstration, USA, [2]University of California, USA*
[P1.052]	**Chemokine signaling *constellation* during human neutrophil swarming elucidated using a novel e*x vivo* assay** E. Reategui[1,2], J. Dali[2], C.N. Serhan[2], D. Irimia*[1,3], *[1]Massachusetts General Hospital, USA, [2]Harvard Medical School, USA, [3]Shriners Burns Hospital, USA*
[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, *Goethe-University Frankfurt, Germany*
[P1.054]	**DC-SIGN$^+$ macrophages mediate transplantation tolerance** P. Conde, M. Merad, S. Gordon, J. Ochando*, *Mount Sinai School of Medicine, USA*
[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], *[1]Tel Aviv Medical Center, Israel, [2]University of California, USA*
[P1.056]	**COMMD10 is a pivotal regulator of monocyte-driven inflammation in sepsis and inflammatory bowel disease (IBD)** O. Mouhadeb*[1], S. Ben-Shlomo[1], E. Burstein[2], C. Varol[1], N. Gluck[1], *[1]Tel-Aviv University, Israel, [2]University of Texas SW Medical Center, USA*
[P1.057]	**Migration patterns of phagocyte cells in Staphylococcal pneumonia** M. Svensson*, S. Mairpady Shambat, P. Chen, A. Norrby-Teglund, *Karolinska Institutet, Sweden*
[P1.058]	**Neutrophil extracellular trap formation is independent of *de novo* gene expression** G. Sollberger*, B. Amulic, A. Zychlinsky, *Max Planck Institute for Infection Biology, Germany*
[P1.059]	**F4/80 controls the development of tolerogenic macrophages** P. Conde, S. Gordon, J. Ochando*, *Mount Sinai School of Medicine, USA*

[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*, *University of Cologne, Germany*
[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, *University of Toronto, Canada*
[P1.062]	**How *Bordetella pertussis* adenylate cyclase toxin manipulates host phagocytes** P. Sebo, *Institute of Microbiology of the ASCR, v.v.i., Czech Republic*
[P1.063]	***Olfm4* is a contextual-specific inflammation marker in neutrophils** S. Munoz*, M. Parada, C. Munoz, L. Solano, P. Maturana, D. Rojas, R. Cabrera, M. Allende, *Universidad de Chile, Chile*
[P1.064]	**Role of hepcidin in post-ischemic tissue remodeling** I.Z. Zlatanova*, W.B. Bakker, J.S. Silvestre, *Inserm, France*
[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], *[1]Universidade Federal do Rio de Janeiro, Brazil, [2]National Institutes of Health, USA*
[P1.066]	**A synthetic glycolipid induces autophagy in macrophages** Y.J. Chou*, C.C. Lin, S.L. Fu, *National Yang-Ming University, Taiwan*
[P1.067]	**Enforced expression of Hoxa3 inhibits classical and promotes alternative activation of macrophages in vitro and in vivo** H. Alsadoun, M. Burgess, K.E. Hentges, K.A. Mace*, *University of Manchester, UK*
[P1.068]	**Macrophages in tissue repair and regeneration: Dynamics, regulation and function** S. Willenborg, S. Eming*, *University of Cologne, Germany*
[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, *The Roslin Institute and Royal (Dick) School of Veterinary Studies, UK*
[P1.070]	**Extracellular ATP protects against sepsis through macrophage P2X7 receptors** B. Csóka[1], Z.H. Németh[1], G. Haskó*[2,1], *[1]Rutgers New Jersey Medical School, USA, [2]University of Debrecen, Hungary*
[P1.071]	**Reversal of TREM-1 ectodomain shedding on neutrophils and improved bacterial clearance by intranasal metalloproteinase inhibitors** G. Weiss*[1], C. Lai[1], B. Tildy[1], R. Snelgrove[1], G. Xin[1], C. Lloyd[1], T. Hussell[1,2], *[1]Imperial College London, UK, [2]Manchester Collaborative Centre for Inflammation Research (MCCIR), UK*
[P1.072]	**Disruption of Glycosaminoglycan-Chemokine interaction in vivo reduces neutrophil activation and liver injury** P.E. Marques*[1], T. Oliveira[1], V. Vanheule[2], P. Proost[2], M. Texeira[1], *[1]UFMG, Brazil, [2]KU Leuven, Belgium*
[P1.073]	**Macrophages and microglia response to apoptotic cells regulate remyelination** L.C. Taylor, K. Puranam, A. Patel, N. Muthusamy, G.K. Matsushima*, *UNC Neuroscience Center, USA*
[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, *Sun Yat-sen University, China*
[P1.075]	**Systemic inoculation of Escherichia coli causes the emergency myelopoiesis in zebrafish larval caudal hematopoietic tissue** Y. Hou, X. Mao, L. Li*, *Southwest University, China*
[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, *University of California San Diego, USA*
[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, *Medical University of Vienna, Austria*
[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*, *The Hospital for Sick Children, Canada*
[P1.081]	**Bcat1 controls metabolic reprogramming in activated macrophages and is a target for autoimmune inflammatory diseases** A.E. Papathanassiu[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, *Peking University Health Science Center, China*
[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-a reverse signaling inhibits lipopolysaccharide-induced pro-inflammatory cytokine formation in macrophages by inducing TGF-b: 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-Delbruck 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-Herttuala[1], L. Reippo[1,2], T. Liimatainen[1], S. Ylä-Herttuala[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, *Singapore Immunology Network, Singapore*
[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, *CIMI-Paris, France*
[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]	**Dedefferentiation 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*, *The University of Tokyo, Japan*
[P1.101]	**B-1 cell: Yes, it can be a phagocyte** A.F. Popi*, M. Mariano, *UNIFESP, Brazil*
[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, *Uppsala University, Sweden*
[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, *German Cancer Research Center, Germany*
[P1.107]	**Ikaros as a controller of B-1 cell differentiation into phagocyte** A.C.P. Sodré, V.C. Oliveira, L. Osugui, N.S. Moretti, S. Schenkman, A.F. Popi*, *UNIFESP, Brazil*
[P1.108]	**Phagocytic activity of polysaccharides from Plantago notata lagasca (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, *University of Oxford, UK*
[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, *Sapienza University of Rome, Italy*
[P1.112]	**The *Drosophila* TNFα ortholog Eiger regulates epithelial mechanobiology through Patj to faciltate tissue penetration by macrophages during development** A. Ratheesh, J. Vesela, J. Biebl, A. Gyoergy, D. Siekhaus*, *IST Austria, Austria*
[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, *Erasmus MC, The Netherlands*
[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, *Medical University of Vienna, Austria*
[P1.117]	**A CX3CR1^{high} subset of prenatally seeded dermal macrophages drives immunity in staphylococcal skin infection** J. Kolter*, R. Feuerstein, P. Henneke, *University of Freiburg, Germany*
[P1.118]	**Regulation of alveolar macrophage development and homeostasis** X. Yu*, A. Buttgereit, I. Lelios, M. Greter, *University of Zurich, Switzerland*
[P1.119]	**Immune cell response to muscle regeneration** A.P. Cumine*, L. Taams, R. Knight, *King's College London, UK*
[P1.120]	**Phagocytic T cells in teleost fish** K. Maisey, R. Montero, G. Poblete, B. Valenzuela, C. Cancino, M. Imarai*, *Universidad de Santiago de Chile, Chile*
	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*, *University of Torino, Italy*
[P2.003]	**Integrated, multi-cohort analysis to develop a parsimonious transcriptional signature of human macrophage polarization** T.D. Azad*, A.A. Morgan, P. Khatri, *Stanford University School of Medicine, USA*
[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]*Universite 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, *Chinese Academy of Medical Sciences & Peking Union Medical College, China*
[P2.006]	**Lactosylceramide is a key player in immunological functions of human neutrophils** K. Iwabuchi*, H. Nakayama, *Juntendo University, Japan*
[P2.007]	**Long-tailed class I myosins coordinate actin remodeling at the membrane during Fc receptor-mediated phagocytosis** S.R. Barger*[1], J.L. Ouderkirk[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. Gabdoulkhakova[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*, *Essen BioScience, UK*
[P2.014]	**Regulation of phagocytosis by the F-BAR proteins PSTPIP1 and PSTPIP2** V. Chitu*, R. de Bruijn, D. Cox, E.R. Stanley, *Albert Einstein College of Medicine, USA*
[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, *University of Debrecen, Hungary*
[P2.017]	**Consequences of loss of retinol saturase enzyme in mice** T. Sághy*, Z. Sarang, Z. Szondy, *University of Debrecen, Hungary*
[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, *University of Messina, Italy*
[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, *University of Messina, Italy*
[P2.020]	**Searching for a peptidic natural ligand of Aminopeptidase N/ CD13, a phagocytic receptor** G.I. Lopez Cortes*, E. Ortega, *Universidad Nacional Autónoma de México, Mexico*
[P2.021]	**Facing up to the competition: An *in vivo* role for cytoskeletal competition in chemotaxis and phagocytosis** A.J. Davidson*, W. Wood, *University of Bristol, UK*
[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*, *University of Toronto, Canada*
[P2.025]	**Examining the spatial organization of CD47-SIRPα signaling** M.A. Morrissey*, R.D. Vale, *University of California San Francisco, USA*
[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	
[P2.029]	**Scanning-electromicroscopic observation of Hofbauer cells in the stroma of chorionic villi of the human placenta** G. Radenkovic*, V. Savic, D. Sokolovic, *University of Nis, Serbia*
[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. Schoonooghe[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, *University of Turku, Finland*
[P2.039]	**Kupffer cells regulate the onset of immune response against Listeria monocytogenes infection** C. Abels*[1,2], D. Torres[3], A. Kohler[1], M. Guilliams[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, *INSERM U1104, CNRS UMR7280, France*
[P2.042]	**Functional activity of gut CX3CR1+ macrophages in colitis-induced cancer** G. Marelli, M. Erreni, C. Belgiovine, A. Mantovani, P. Allavena*, *Humanitas Research Hospital, Italy*
[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, *Columbia University, USA*
[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]	***Schistosoma Mansoni* 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 SIgN, Singapore, [3]Nanyang Technological University, Singapore, [4]Newcastle University, UK*
[P2.048]	**The developmental role of CSF1R in driving microglial heterogeneity** K. Grabert*, R. Rojo, P. Hohenstein, D. Hume, *The University of Edinburgh, UK*
[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, *The Roslin Institute and Royal (Dick) School of Veterinary Studies, UK*
[P2.050]	**Macrophage inflammatory effects enhances MMP-12 production in oral tissue** M. Svensson*, S. Björnfot, *Karolinska Institutet, Sweden*
[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, *University of Messina, Italy*
[P2.054]	**Loss of microglia homeostasis triggers sterile CNS inflammation and neurodegeneration** S.J. Rubino*, L. Mayo, A. Madi, *Harvard Medical School, USA*

[P2.055]	**Impairment of systemic DHA synthesis affects macrophage plasticity and polarization** E. Talamonti*[1], A.M. Pauter[1], A. Asadi[1], V. Chiurchiu[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*, *Tokushima University, Japan*
[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, *Weizmann Institute of Science, Israel*
[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, *Moscow State University of Medicine and Dentistry, Russia*
[P2.060]	**Macrophage-specific deletion of STAT5 disrupts normal mammary gland development and accelerates mammary tumorigenesis** N. Brady*, M. Farrar, K. Schwertfeger, *University of Minnesota, USA*
[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. Kiialainen[2], L.P. Pradel[1], I. Klaman[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, *Institute of Genetics, Germany*
[P2.064]	**Bnip3: A key modulator of melanoma-macrophages interface** E. Romano*, H. Maes, A. Garg, H. Korf, P. De Witte, P. Agostinis, *KU Leuven, Belgium*
[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*, *Vrije Universiteit Brussel, Belgium*
[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. Lirussi[2], B. Uyanik[2], O.N. Demidov*[1,2], [1]*Institute of Cytology, Russia,* [2]*INSERM U866, France*
[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]*Universidade Paulista, Brazil,* [2]*Universidade Federal de São Paulo, Brazil*
[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]*Oslo University Hospital, Norway,* [2]*University of Oslo, Norway*
[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*, *University Hospital of Cologne/CECAD, Germany*
[P2.071]	**Response of TAMs to sphingolipid danger signals** M. Korbelik, *British Columbia Cancer Agency, Canada*
[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]*Gerstner Sloan Kettering Graduate School, USA,* [2]*Memorial Sloan Kettering Cancer Center, USA,* [3]*Rockefeller University, USA,* [4]*Weill Cornell Graduate School, USA*
[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]*Carmel Medical Center, Israel,* [2]*Technion-Institute of Technology, Israel*

[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, *Novimmune S.A., Switzerland*
[P2.076]	**The p50 NF-kB 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]Università del Piemonte Orientale "Amedeo Avogadro", Italy, [2]Humanitas Clinical and Research Center, Italy*
[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]Niigata University, Japan, [2]Osaka Dental University, Japan*
[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]Heidelberg University, Germany, [2]Tomsk State University, Russia, [3]Tomsk Cancer Research Centre, Russia, [4]German Red Cross Blood Service Baden-Württemberg–Hessen, Germany*
[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]University of Zurich, Switzerland, [2]Columbia University, USA, [3]Calvary Mater Newcastle, Australia, [4]F. Hoffmann-La Roche Ltd., Switzerland*
[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*, *University of Turku, Finland*
[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]German Cancer Research Center, Germany, [2]Life & Medical Sciences Institute, Germany*
[P2.082]	**The impact of dietary iron on gut immunity and colorectal cancer** D.H. Stones*, A-M. Krachler, *University of Birmingham, UK*
[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]Singapore Immunology Network, Singapore, [2]Singapore-MIT Alliance for Research and Technology, Singapore*
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]University of Sheffield, UK, [2]Leiden University, The Netherlands, [3]University of Edinburgh, UK*
[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]University of Pavia, Italy, [2]GSK Vaccines S.r.l., Italy*
[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, *Institute of Pharmacology PAS, Poland*
[P2.087]	**Macrophage recognition of human and murine helminths** B. Volpe*, T. Bouchery, N. Harris, *EPFL, Global Health Institute, Switzerland*
[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*, *Universidade de Lisboa, Portugal*
[P2.089]	**Role of the H2A deubiquitinase MYSM1 in innate immune regulation** S. Panda[1], J.A. Nilsson[2], N.O. Gekara*[1], *[1]Umeå University, Sweden, [2]University of Gothenburg, Sweden*
[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*, *University of Lisbon, Portugal*
[P2.091]	**Unraveling the role of scavenger receptors in Listeria infection** R. Pombinho*[1,2], S. Sousa[1], D. Cabanes[1], *[1]Instituto de Biologia Molecular e Celular, Portugal, [2]Instituto de Ciências Biomédicas Abel Salazar, Portugal*

[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]*Universidade Paulista, Brazil,* [2]*Universidade Federal de São Paulo, Brazil,* [3]*Centro Universitário São Camilo, Brazil*
[P2.094]	**Enhancing Th_{17}-driven immunity to tuberculosis by boosting CD40 engagement on M. tuberculosis-infected dendritic cells** J.K. Sia, R. Madan-Lala, J. Rengarajan*, *Emory University, USA*
[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]*CPqGM-FIOCRUZ, Brazil,* [2]*KU Leuven, Belgium,* [3]*Fraunhofer IME, Germany,* [4]*University Hospital RWTH Aachen, Germany,* [5]*Institute for Immunological Investigation, iii-INCT, Brazil*
[P2.096]	**Phagocytes and parasites; a marriage of convenience** M. Chatterjee*[1], D. Mukhopadhyay[2], S. Roy[1], S. Mukherjee[1], [1]*Institute of Postgraduate Medical Education & Research, India,* [2]*University of California, USA*
[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-Naamani[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]*Sultan Qaboos University, Oman,* [2]*Centre Hospitalier de l'Université de Montréal (CRCHUM), Hôpital Saint-Luc, Canada,* [3]*Vaccine and Gene Therapy Institute-Florida (VGTI-FL), USA,* [4]*Armed Forces Hospital, Oman,* [5]*Case Western Reserve University, USA*
[P2.098]	**Muse cells as tissue repairing stem cells: A role of phagocytosis in their differentiation** M. Dezawa, *Tohoku University, Japan*
[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, *Osaka University of Pharmaceutical Sciences, Japan*
[P2.100]	**Mycobacteria lead to multinucleated giant macrophage formation via dysregulation of iNOS and p53** K. Gharun*, J. Senges, P. Henneke, *University Medical Center Freiburg, Germany*
[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, *Institute of Microbiology of the CAS, v.v.i., Czech Republic*
[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]*Karolinska Institutet, Sweden,* [2]*Lund University, Sweden,* [3]*Rockstock University Medical Center, Germany*
[P2.103]	**Myeloid cells recruited to the spleen during Salmonella infection deregulate T-cell responses** J. Yadav*[1], N. Dikshit[1,2], A. Qadri[1], [1]*National Institute of Immunology, India,* [2]*Duke-NUS Graduate Medical School, Singapore*
[P2.104]	**Deciphering the biofilm-macrophage interactome** A.F. Fuchs*, M.C.B.A. Ammons, V.C. Copie, *Montana State University, USA*
[P2.105]	**The Drosophila CD36 homologue croquemort is required to maintain immune and gut homeostasis during development and aging** A. Guillou[2], H. Wang[1], K. Sotelo-Troha[2], N.C. Franc*[1], N. Buchon[2], [1]*The Scripps Research Institute, USA,* [2]*Cornell University, USA*
[P2.106]	**Yersinia pseudotuberculosis exploits CD209 receptors to promote host dissemination and infection** K. Yang, J. Klena, M. Skurnik, T. Chen*, *Tongji Hospital, China*
[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, *Institute of Molecular Biology, Taiwan*
[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, *Universidade de São Paulo, Brazil*
[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]*Institute of Microbiology of the CAS, v. v. i., Czech Republic,* [2]*Charles University in Prague, Czech Republic,* [3]*Université Paris Sud, France*

[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. Srinoon[1], G.J. Bancroft[2], J.M. Blackwell[3], S. Korbsrisate*[1], *[1]Mahidol University, Thailand, [2]London School of Hygiene and Tropical Medicine, UK, [3]University of Western Australia, Australia*
All Categories	
[P2.111]	**Peroxiredoxin1 deficiency reduce cholesterol efflux via impaired macrophage lipophagic flux** S-J. Jeong, S. Kim, S.H. Lee, G.T. Oh*, *Ewha Womans University, Republic of Korea*
[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]INSERM, France, [2]CNRS, France*
[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]Memorial Sloan Kettering Cancer Center, USA, [2]The Austrian Academy of Sciences, Austria, [3]Life and Medical Sciences Institute, Germany*
[P2.114]	**M1/M2 macrophages' balance is altered in multiple sclerosis** A. Leuti*[1,2], A. Gentile[1,3], D. Fresegna[1,3], S. Bullitta[1,3], L. Battistini[1], D. Centonze[3,4], V. Chiurchiù[1,2] *[1]European Center for Brain Research (CERC)/Santa Lucia Foundation, Italy, [2]Campus Bio-Medico University of Rome, Italy, [3]Tor Vergata University and Hospital, Italy, [4]IRCCS Neuromed, Italy*
[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]Humanitas Research Hospital, Italy, [2]Luigi Sacco Hospital, Italy, [3]Humanitas University, Italy*
[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*, *Pennsylvania State University College of Medicine, USA*
[P2.117]	**Modulating the function of tumour-associated macrophages** V. Cobos Jiménez*, P. Jakeman, K. Fisher, L. Seymour, *University of Oxford, UK*
[P2.118]	**Latently Infected brain macrophages are a source of infectious virus in SIV-infected macaques** C. R. Avalos[1], S. E. Queen[1], C. M. Abreu[1], M. Li[1], S. L. Price[1], E. N. Shirk[1], B. T. Bullock[1], S. W. Wietgrefe[2], A. T. Haase[2], L. Gama*[1] et al, *[1]Johns Hopkins School of Medicine, USA, [2]University of Minnesota, USA*
[P2.119]	**A rapid cytometric analysis method for phagocytosis and efferocytosis using Celigo® Imaging Cytometer** S. Cribbes*[1], C. T. Robb[1], A. G. Rossi[2], J. Qiu[1], *[1]Nexcelom BioScience LLC, USA, [2]University of Edinburgh Medical School, UK*

Note: Withdrawn—**P1.092, P2.028, P2.033, P2.035, P2.092**
P2.072 will be presented as short talk ST.12 on Thursday 22nd September 2016 between 13:45-14:00