

44th Annual Scientific Meeting of the European Society for Clinical Investigation

Bari – Italy, 24 – 27 February 2010

	WORKSHOP 1	Room <i>(to be completed by Congress Organizers)</i>
Organizers	Silvano Sozzani (Brescia, Italy) Marco A. Cassatella (Verona, Italy)	Thursday - Saturday 25 - 27 February 2010
Sponsors	Societa Italiana di Immunologia Immunologia Clinica e Allergologia (SIICA) European Federation of Immunological Societies (EFIS) European Journal of Immunology (EJI)	 
Emerging aspects of phagocyte biology		
session I	Phagocyte trafficking	Thursday morning
chair(s)	Name..... (full first name + last name, city, country) TBD	abstract number
08.30 – 09.00	LAD-III: when integrins fail on phagocytes and other immune cells <i>Nancy Hogg (London, UK)</i>	
09.00 - 09.15	Fpr2 down-regulates leukocyte trafficking in vascular inflammation <i>M. Perretti, N. Dufton, J. Dalli, V. Brancaleone & R.J. Flower (London, UK)</i>	101
09.15 - 09.30	Alpha-1 antitrypsin regulates neutrophil chemotaxis through its effect on FcγRIIIb <i>E.P. Reeves, D.A. Bergin, P. Meleady, M. Henry, M. Clynes, S.J. O'Neill & N.G. McElvaney (Dublin, Ireland)</i>	102
09.30 - 09.45	The migration of granulocytes to the inflamed peritoneum is strongly dependent on platelets <i>B. Petri, A. Broermann, A. Khandoga, F. Krombach, S. Schneider, T. Gorge, M.G. Bixel, M.K. Wild, & D. Vestweber (München / Münster, Germany) B.P. and A.B.: equal contribution</i>	103
09.45 - 10.00	The role of Kindlin-3 in neutrophil integrin activation <i>E. van de Vijver, M. de Boer, J. van Buul, P. Verkuijlen, A.T.J. Tool, E.</i>	104

	<i>Mul, S. Unal, M. Cetin, M. Moser, T.K. van den Berg & T.W. Kuijpers (Amsterdam, The Netherlands / Ankara, Turkey / Martinsreid, Germany)</i>	
10.00 – 10.30	coffee break	
10.30 – 11.15	plenary lecture	
chair(s)	Name..... (full first name + last name, city, country) TBD	
11.15–11:45	The functional impact of mAbp1 in neutrophil trafficking <i>Barbara Walzog (Munich, Germany)</i>	
11.45–12:00	Hck is involved in 3D macrophage migration <i>in vitro</i> and <i>in vivo</i> <i>C. Cougoule, N. Laviolette, E. van Goethem, R. Poincloux, C.A. Lowell, J.L. Mège, V. Le Cabec & I. Maridonneau-Parini (Toulouse / Marseille, France / San Francisco, USA)</i>	105
12.00 –12:15	Inflammatory chemokine clearance mediated by the decoy receptor d6 regulates myeloid cells accumulation in tumor-bearing mice <i>B. Savino, E.M. Borroni, A. Anselmo, C. Buracchi, A. Mantovani, M. Locati & R Bonecchi (Milan, Italy)</i>	106
12.15 –12:30	Survival and migration of human dendritic cells are regulated by an Interferon-alpha-inducible Axl/Gas6 pathway <i>S. Scutera, T. Fraone, S. Rossi, R. Paus, M. Giovarelli, S. Bulfone-Paus & T. Musso (Torino, Italy / Lübeck / Borstel, Germany)</i>	107
12.30 –12:45	Immunoglobuline A activated polymorphonuclear neutrophils induce monocyte migration via leukotriene B4 release <i>M.W.M. van Hout, M.Bögels, C.Tuk, J.E. Bakema & M. van Egmond (Amsterdam, The Netherlands)</i>	108
12.45 –13:00	Redundant and specific functions of Galphai2 and Galphai3 in neutrophils during inflammation <i>K. Wiege, S.R. Ali, S. Konrad, S.N. Syed, R. Piekorz, A. Gohla, B. Nuernberg, L. Birnbaumer, R.E. Schmidt & J.E. Gessner (Hannover / Düsseldorf / Würzburg / Tübingen, Germany, NC, USA)</i>	109
13.00	end of session	

session II	Phagocyte polarization	Thursday afternoon
chair(s)	Name..... (full first name + last name, city, country) TBD	abstract number
15.00 - 15.30	Plasticity and polarization of mononuclear phagocytes <i>Alberto Mantovani (Milan, Italy)</i>	
15.30 – 15.45	Differential restriction patterns of HIV infection and replication in M1 vs. M2 human monocyte-derived macrophages <i>L. Cassetta, E. Cassol, C. Rizzi, M. Alfano & G. Poli (Milan, Italy)</i>	110

15.45 – 16.00	Anti-inflammatory macrophages induce regulatory T cells by producing reactive oxygen species <i>K.A. Gelderman, M.D. Kraaij, S.W. van der Kooij, K. Koekkoek, J. Wang, R. Holmdahl & C. van Kooten (Leiden, The Netherlands / Stockholm, Sweden)</i>	111
16.00 - 16.15	A distinct pro-resolving macrophage subtype generated by overwhelming uptake of apoptotic PMN and regulated by resolvins and glucocorticoids <i>A. Ariel, C. N. Serhan, N. Gross & S. Schiff-Zuck (Haifa, Israel / Boston, MA, USA)</i>	112
16.15 – 16.45	coffee break	
16.45 - 17.15	Myeloid-derived suppressor cells: moving from mouse to human <i>Vincenzo Bronte (Padova, Italy)</i>	
17.15 – 17.30	Recognition of activated platelets induces the formation NETs (Neutrophil Extracellular Traps) via an HMGB-1 dependent mechanism <i>N. Maugeri, P. Rovere-Querini, D. Cianflone, A. Maseri & A.A. Manfredi (Milan, Italy)</i>	113
17.30 – 17.45	Neutrophil Extracellular Traps induced by Afa/Dr diffusely adherent <i>Escherichia coli</i> contribute to bactericidy and epithelial injury <i>C. Sandré, V. Marin-Esteban, I. Turbica, G. Dufour, I. Beau, N. Sémiramothe, R. Gorges, V. Nicolas, T. Meylheuc, A. Gleizes & S. Chollet-Martin (Paris, France)</i>	114
17.45 – 18.00	Tumor Necrosis Factor controls monocytes development during collagen-induced arthritis <i>A.A. Kruglov & S.A. Nedospasov (Berlin, Germany / Moscow, Russia)</i>	115
18.00 – 18.20	PLC γ 2 is a critical modulator of bone remodeling and inflammatory arthritis <i>V. Cremasco & R. Faccio (St. Louis, MO, USA / Bari, Italy)</i>	ID 271 = 192
18.20	end of session	

session III	Intracellular signaling and phagocytosis	Friday morning
chair(s)	Name..... (full first name + last name, city, country) TBD	abstract number
08.30 – 09.00	PI3K and Rac signaling in granulocyte chemotaxis <i>Emilio Hirsch (Turin, Italy)</i>	
09.00 - 09.15	Co-operation between Rac-guanine nucleotide exchange factors in neutrophils <i>C. Lawson & H.C.E. Welch (Cambridge, UK)</i>	116
09.15 - 09.30	Class IA Phosphoinositide 3-kinase isoforms play critical, but redundant,	117

	roles in neutrophil NADPH oxidase activation by <i>Aspergillus fumigatus</i> hyphae <i>K. B. Boyle, L.R. Stephens & P.T. Hawkins (Cambridge, UK)</i>	
09.30 - 10.00	BUSINESS MEETING Phagocyte Group	
10.00 – 10.30	coffee break	
10.30 – 11.15	plenary lecture	
chair(s)	Name..... (full first name + last name, city, country) TBD	
11.15 – 11.45	Measuring receptor mobility at the single-molecule level: implications to phagocytosis <i>Sergio Grinstein (Toronto, Canada)</i>	
11.45 - 12.00	The <i>Drosophila</i> TRPP cation channel, PKD2 and Ced-12 act in parallel pathways during apoptotic cell clearance <i>E. Van Goethem & N.C. Franc (La Jolla, CA, USA)</i>	118
12.00 - 12.15	Sialic acid removal improves phagocytosis capacity of human Dendritic Cells <i>M.G. Cabral, D. Ligeiro, Z. Silva, A.R. Piteira & P.A. Videira (Lisbon, Portugal)</i>	119
12.15 - 12.30	Different requirements for early and late phases of azurophilic granule–phagosome fusion <i>P. Nordenfelt, M.E. Winberg, P. Lönnbro, B. Rasmusson & H. Tapper (Lund, Sweden)</i>	120
12.30 - 12.45	Kinesin is an essential anterograde microtubule motor protein for FcγR–mediated phagocytosis in mouse macrophages <i>K.E. Silver & R.E. Harrison (Toronto, Ontario, Canada)</i>	121
12.45 - 13.00	Flow cytometry as an indicator of monocyte phagocytosis of <i>Mycobacterium tuberculosis</i> <i>R.A. Vage, L.G. Kielland, S. Sørnes, O. Mørkve & A. Naess (Bergen, Norway)</i>	122
13.00	end of session	

session IV	Immune regulation by phagocytes	Friday afternoon
chair(s)	Name..... (full first name + last name, city, country) TBD	abstract number
15.00 -15:30	Regulation of macrophage signaling and function during chronic inflammation <i>Lionel Ivashkiv (New York, USA)</i>	
	Understanding why LPS is unable to mobilize the MyD88-independent	

15.30 – 15.45	pathway in human neutrophils <i>N. Tamassia, U. Bussmeyer, V. LeMoigne & M.A. Cassatella (Verona, Italy)</i>	123
15.45 – 16.00	Key role of the intracellular itam tyrosines of fc-receptor γ -chain in experimental arthritis <i>T. Németh, M. Szabó, T. Saito & A. Mócsai (Budapest, Hungary / Chiba, Japan)</i>	124
16.00 – 16.15	Selective induction of VEGF-A by TLR4 and TLR8 in human dendritic cells <i>V. Salvi, X. Vaira, T. Musso, D. Bosisio & S. Sozzani (Brescia / Torino, Italy)</i>	125
16.15 – 16.45	coffee break	
16.45 – 17.15	Coordinated recruitment of neutrophils and Myeloid-Derived Suppressor Cells shape T-cell priming upon vaccination with Mycobacterium bovis BCG <i>Nathalie Winter (Paris, France)</i>	126
17.15 – 17.30	Influenza infection causes an inhibition of the immune response in human monocytes: the role of the rar-related orphan receptor alpha <i>J. Friesenhagen, D. Viemann, S. Ludwig & J. Roth (Münster, Germany)</i>	127
17.30 – 17.45	Aldosterone abrogates NF-kappaB-mediated TNFalpha production in human neutrophils via the mineralocorticoid receptor <i>A. Bergmann, C. Eulenberg, M. Wellner, S. Rolle, F. Luft & R. Kettritz (Berlin, Germany)</i>	128
17.45 - 18.00	Role of neutrophils and myeloperoxidase in lung injury induced by influenza A/H1N1 (PR-8) infection in mice <i>R. Sugamata, T. Nagao, H. Dobashi, K. Tomizawa, K. Yamamoto, N. Nakajima, Y. Sato, Y. Aratani, R. Todaka, M. Oshima, T. Sata, K. Kobayashi, S. Kawachi, T. Nakayama & K. Suzuki (Chiba/ Yokohama / Tokyo, Japan)</i>	129
18.00 - 18.15	Agrin is essential for the fitness of hematopoietic niches and myeloid cells <i>C. Mazzon, A. Anselmo, A. Destro, J. Cibella, C. Soldani, G. D'Amico, N. Kim, M. Roncalli, A. Biondi, S. Burden, M. L. Dustin, A. Sarukhan & A. Viola (Milan, Italy / New York, USA)</i>	191
18.15	end of session	

session V	Phagocyte effector functions and survival	Saturday morning
chair(s)	Name..... (full first name + last name, city, country) TBD	abstract number
08.30 – 09.00	Why location matters: Mutations in phosphoinositide-binding p40phox	130

	leads to defective phagosome NADPH oxidase and a new subgroup of chronic granulomatous disease <i>Mary Dinauer (Indianapolis, USA)</i>	
09.00 - 09.15	Voltage-gated proton channels are not essential for the respiratory burst and antimicrobial activity of human neutrophils <i>E. Decleva, F. Defendi, A. Fasolo, M. Sebastianutto, R. Menegazzi & P. Dri (Trieste, Italy)</i>	131
09.15 - 09.30	The regulatory role of cytosolic phospholipase A ₂ α in the release of superoxides and nitric oxide by aggregated Aβ ₁₋₄₂ in microglia <i>I. Szaingurten-Solodkin, N. Hadad & R. Levy (Beer-Sheva, Israel)</i>	132
09.30 - 09.45	Adiponectin, an emerging immune modulator, regulates phagocytic NADPH oxidase <i>P. Chedid, M. Hurtado-Nedelec, J. El Benna & J.C. Marie (Paris, France)</i>	133
09.45 - 10.00	SIRPα controls phagocyte NADPH oxidase function by limiting the expression of gp91 ^{phox} <i>E.M. van Beek, R. van Bruggen, K. Schornagel, A. Tool, T. Matozaki, G. Kraal, D. Roos & T.K van den Berg (Amsterdam, The Netherlands / Gunma, Japan)</i>	134
10.00 – 10.30	coffee break	
10.30 – 11.15	plenary lecture	
chair(s)	Name..... (full first name + last name, city, country) TBD	
11.15 –11.45	Regulation of apoptosis by Mcl-1 <i>Steve Edwards (Liverpool, UK)</i>	135
11.45 –12.00	Identification of novel pathways in the regulation of neutrophil survival <i>J. Mocek, S. Moriceau, D. Bouayad, C. Candahl & V. Witko-Sarsat (Paris, France)</i>	136
12.00 –12.15	Roscovitine rescues alveolar macrophages function in mice expressing mutant cystic fibrosis transmembrane conductance regulator (CFTR) <i>L.V. Deriy, E.A. Gomez, A.J. Gallan, V.P. Bindokas, L. Meijer & D.J. Nelson (Chicago, IL, USA / Roscoff, France)</i>	137
12.15 –12.30	Glucocorticoids promote survival of anti-inflammatory monocytes via stimulation of A3 adenosine receptor <i>K. Barczyk, J. Ehrchen, K. Tenbrock, M. Ahlmann, D. Viemann & J. Roth (Münster / Aachen, Germany)</i>	138
12.30 –12.45	Phagocytosis of apoptotic cells by neutrophil granulocytes: Diminished pro-inflammatory neutrophil functions in the presence of apoptotic cells <i>L. Esmann, C. Idel, A. Sarkar, L. Hellberg, M. Behnen, G. van Zandbergen, M. Klinger, J. Köhl, U. Bussmeyer, W. Solbach W & T. Laskay (Lübeck, Germany)</i>	139
12.45 –13.00	<i>In vivo</i> transmigrated neutrophils are resistant to antiapoptotic	140

	stimulation <u>K. Christenson</u> , L. Björkman, J. Karlsson, M. Alsterholm & J. Bylund <i>Department of Rheumatology and Inflammation Research, Gothenburg University, Sweden</i>	
13.00	end of workshop	

POSTERS

- 141
- Mobilization of Annexin A1 in human polymorphonuclear leukocytes (PMN)
V. Brancaleone, J. Dalli & M. Perretti (London, UK)
- 142
- Polymorphonuclear leukocyte phagocytosis of *Leishmania* incubated with anti-leishmania drugs
S. Herredsvela, K. Rebbestad, S. Sornes, H. Sjursen & A. Naess (Bergen, Norway)
- 143
- Serglycin is necessary to retain human neutrophil peptide 1 intracellularly in mouse model
A.B. Glenthøj, J.B. Cowland & N. Borregaard (Copenhagen, Denmark)
- 144
- The possible role of ARHGAP25 in the phagocyte functions of neutrophilic granulocytes
R. Csépanyi-Kömi, E. Lázár, G. Sirokmány, M. Geiszt & E. Ligeti (Budapest, Hungary)
- 145
- Erythrocytes from patients with carotid atherosclerosis lack the ability to control dendritic cell maturation and phagocytosis
B. Buttarj, E. Profumo, E. Straface, W. Malorni, C. Di Cristofano, R. Businaro, R. Capoano, B. Salvati & R. Riganò (Rome, Italy)
- 146
- Src-family kinase- and PI3 kinase-dependent signals regulating neutrophil respiratory burst
L. Fumagalli & G. Berton (Verona, Italy)
- 147
- Monocyte phagocytosis of *Leishmania* promastigotes measured by flow cytometry
K. Rebbestad, S. Herredsvela, S. Sornes, H. Sjursen & A. Naess (Bergen, Norway)
- 148
- An *in vitro* monocyte activation model for studying the development inflammatory process
P. Italiani, D. Lucchesi, C. Battaglia, P.L. Mauri & D. Boraschi (Pisa / Milan, Italy)
- 149
- Non-classical *FCGR2C*-ORF and *FCGR2C*-Stop alleles: additional forms of phenotypic variation
J. van der Heijden, W.B. Breunis, J Geissler, M. de Boer, A. Verhoeven, D. Roos, T.K. van den Berg & T.W. Kuijpers (Amsterdam, The Netherlands)
- 150
- The hypoxic microenvironment modulates monocytic and dendritic cell inflammatory gene expression
M.C. Bosco, F. Blengio, D. Pierobon, F. Raggi, P. Fardin, M. Gattorno, M. Giovarelli & L. Varesio (Genova / Torino, Italy)

- 151
Bi-stability of phagocyte-bacteria interaction: when do neutrophils win the battle with *Staphylococcus Aureus*?
R. Malka, R. Gavrieli, E. Shochat, V. Rom-Kedar & B. Wolach (Rehovot / Kfar Saba, Israel / Basel, Switzerland)
- 152
Functional and dynamic analysis of the NADPH oxidase assembly during phagocytosis
A. Tlili, S. Dupré-Crochet, M. Erard & O. Nüsse (Orsay, France)
- 153
Effector mechanisms of neutrophil granulocytes under inflamed conditions: The role of hypoxia and acidosis
M. Behnen-Härer, F. Jung, L. Hellberg, S. Möller, W. Solbach & T. Laskay (Lübeck, Germany)
- 154
Evaluation of the ability of *Helicobacter pylori* in inducing the production of B cells activating factors: possible implications in the development of MALT lymphomas
F. Munari, W. Vermi, M.M. D'Elis & M. de Bernard (Padua / Brescia / Florence, Italy)
- 155
Proteinase 3, the Wegener's autoantigen disables calreticulin-mediated apoptotic neutrophil phagocytosis by macrophages and enhanced pro-inflammatory cytokine release
J. Gabillet, C. Kantari, M. Pederzoli-Ribeil, P. Frachet & V. Witko-Sarsat (Paris, France / London, UK)
- 156
Modulation of neutrophil effector functions by methylprednisolone
L. Hellberg, K. Holdorf, M. Hänsel, A. Recke, W. Solbach, D. Zillikens, R.J. Ludwig & T. Laskay (Lübeck, Germany)
- 157
HIV-1 Nef triggers the formation of multinucleated giant macrophages in a lysosome-associated p61Hck isoform and protease dependent manner
C. Vérollet, Y.-M. Zhang, V. Le Cabec, J. Mazzolini, G. Charrière, A. Labrousse, J. Bouchet, I. Medina, E. Biessen, F. Niedergang, S. Benichou & I. Maridonneau-Parini (Toulouse / Paris, France / Maastricht, The Netherlands)
- 158
Characterization of the potential cross-talks between human neutrophils and Th17 cells
A. Micheletti, M. Pelletier, L. Maggi, F. Annunziato & M.A. Cassatella (Verona / Florence, Italy)
- 159
Investigation of antibacterial activity of proline-rich polypeptides against meticillin-resistant *Staphylococcus aureus*
A.A. Durgaryan (Yerevan, Armenia)
- 160
Identification of Toll like receptors and immune related molecules as novel markers of early embryonic phagocytes
J. Oujezdská, T. Vavrochová, A. Fišerová & D. Filipp (Prague, Czech Republic)
- 161
Mechanisms of human macrophage infiltration into multicellular tumor spheroids
R. Guiet, A. Valette & I. Maridonneau-Parini (Toulouse, France)

- 162
Divergent action of Cobalt and Beryllium salts on the fate of peripheral blood monocytes and lymphocytes: a possible correlation with the distinct pathogenesis for Hard Metal Lung Disease and Chronic Beryllium Disease
F. Paladini, E. Cocco, H. Fazegasova, G. Lombardi, M.T. Fiorillo & R. Sorrentino (Rome, Italy / London, UK)
- 163
Microenvironment structural constraints impact the 3D migration mode of macrophages and the formation of 3D podosomes
E. Van Goethem, V. Le Cabec, R. Poincloux, F. Gauffre & I. Maridonneau-Parini (: co-first authors) (Toulouse, France)*
- 164
A ratio change between NADPH-oxidase activity triggered through FPR1 and FPR2 is induced by SDS
H. Forsman, F. Thorén, J. Karlsson & C. Dahlgren (Göteborg, Sweden)
- 165
BCR-ABL tyrosine kinase activity modulates the phosphorylation, localization and function of interferon regulatory factor 5 in chronic myeloid leukemia cells
L. Manzella, M. Massimino, M. Consoli, A. Fidilio, P. Buffa, M. Fallica, A. Messina & P. Vigneri (Catania, Italy)
- 166
Essential role of galectin3 in reducing the severity of *S. aureus*-induced arthritis in mice
H.F. Forsman, E. Andreasson, K. Önnheim, C. Lindholm, E. Salomonsson, H. Leffler & A. Karlsson (Gothenburg / Lund, Sweden)
- 167
Anti-oxidant power and hydrogen peroxide production of mesothelial cells
C. Casarsa, A. Marchioli, V. Borelli, E. Trevisan, F. Vita, M. Melato & G. Zabucchi (Trieste, Italy)
- 168
Interleukin-10 enhances the recruitment of NF- κ B to the Interleukin-1 receptor antagonist promoter in human neutrophils and monocytes stimulated with lipopolysaccharide
M. Castellucci, N. Tamassia, M. Giacomelli, S. Gasperini, M. Rossato, R. Badolato, M.A. Cassatella & F. Bazzoni (Verona / Brescia, Italy)
- 169
NOX2-NADPH oxidase is regulated and bound to cytosolic phospholipase A₂ α in stimulated mouse phagocytes
Y. Solomonov, N. Hadad & R. Levy (Beer Sheva, Israel)
- 170
Trafficking of matrix metalloproteinase-9 in lipopolysaccharide and Interferon- γ activated macrophage cells
R. Hanania & R.E. Harrison (Toronto, Ontario, Canada)
- 171
Punicic acid a conjugated linolenic acid from pomegranate seed oil inhibits TNF α -induced neutrophil hyperactivation
T. Boussetta, H. Raad, A. Bartegi, P. Lettéron, M.A. Gougerot-Pocidallo, J.C. Marie, F. Driss & J. El-Benna (Paris, France / Monastir, Tunisie)

- 172
- Urokinase-type plasminogen activator (upa) induces cell adhesion-dependent entrapment of HIV virions in a chronically infected promonocytic cell line, u1
M. Alfano, S. Viganò, L. Gobbo, M. Lusic & G. Poli (Milan, Italy)
- 173
- “Super” Annexin-A1: a novel tool to regulate neutrophil-driven inflammation?
M. Pederzoli-Ribeil, F. Maione, A. Al-Kashi, J. Dalli, M. Perretti & F. D’Acquisto (London, UK)
- 174
- CFTR inhibition yields an inflammatory response associated with an imbalance of the Annexin-A1 pathway
J. Dalli, R.P.G. Hayhoe, G. Rosignoli, A. Edelman & M. Perretti (London, UK / Paris, France)
- 175
- Antibiotic-squalene nanoparticles for the treatment of *S Aureus* neutrophil infection *in vitro*
C. Di Meo, R. Gref, D. Desmaële, F. Zouhiri, R. Gorges, V. Nicolas, P. Couvreur & S. Chollet-Martin (Chatenay-Malabry, France)
- 176
- Afa/Dr diffusely adhering *Escherichia coli* strain C1845 triggers a F1845 fimbriae-dependent phosphatidylserine externalization on neutrophil-like differentiated PLB-985 cells through an apoptosis-independent mechanism
N. Sémiramoth, A. Gleizes, I. Turbica, C. Sandré, V. Marin-Esteban, R. Gorges, A. Servin & S. Chollet-Martin (Chatenay-Malabry, France)
- 177
- Structure-function analysis of imatinib analogues on primary human phagocytes
K. Futosj, L. Örfi, Gy. Kéri, A. Mócsai & T. Vántus (Budapest, Hungary)
- 178
- Retroviral reconstitution of PLC γ 1 and PLC γ 2 in primary murine osteoclasts
D. Gyori, T. Chessa, P.T. Hawkins² & A. Mocsai (Budapest, Hungary / Cambridge, United Kingdom)
- 179
- Abnormalities in annexin a1 null bone marrow cells: evidence for failure of clearance of apoptotic neutrophils
J. Dalli, D.M. Cavalcanti, S.H. Farkasy, S. Rankin, R.J. Flower & M. Perretti (London, UK / Sao-Paulo, Brazil)
- 180
- The inflammatory mediator galectin-3 is bound to phagocytes in circulation
M. Sundqvist, A. Lindblom, J. Bylund, H. Leffler, U. Nilsson & A. Karlsson (Gothenburg / Lund, Sweden)
- 181
- IL-10 fails to downregulate cytokine expression and production by LPS-treated neutrophils and monocytes of Hyper-IgE Syndrome patients
M. Giacomelli, N. Tamassia, D. Vairo, A. Soresina, S. Giliani, D. Moratto, C. Bertulli, A. Plebani, M.A. Cassatella, F. Bazzoni & R. Badolato (Brescia / Verona, Italy)
- 182
- Myosin vb mobilizes the decoy receptor D6 from recycling endosome for adaptive up-regulation and chemokine degradation

- E.M. Borroni, B. Savino, C. Cancellieri, M. Mirolo, C. Buracchi, A. Anselmo, A. Mantovani, M. Locati & R. Bonecchi (Milan, Italy) 183
- Responses of murine neutrophils to galectin-3
K. Önnheim, A. Karlsson & H. Forsman (Gothenburg, Sweden) 184
- The microRNA repertoire of human monocytes and neutrophils: induction by proinflammatory signals and regulatory function of miR-9
M. Rossato, D. Gaudiosi, M. Mirolo, M. Fabbri, L. Mori, N. Tamassia, A. Mantovani, M.A. Cassatella, M. Locati & F. Bazzoni (Verona / Rozzano / Milan, Italy) 185
- Src-family kinases are required for the development of autoimmune arthritis
M. Kovács, E. Simon, Z. Jakus, C.A. Lowell & A. Mócsai (Budapest, Hungary / San Francisco, USA) 186
- Successful prevention of surgery-induced liver metastases development after anti-tumor monoclonal antibody therapy is mediated by mononuclear cells
M. Bögels, G.J. van der Bij, M.A. Otten, S.J. Oosterling, S. Meijer, R.H.J. Beelen & M. van Egmond (Amsterdam, The Netherlands) 187
- Impact of cobalt ions on antibacterial activity of phagocytic cells
S. Daou, P. Hoffmeyer, L. Bernard & N. Demaurex (Geneva, Switzerland / Garches, France) 188
- An Emerging Player in the Adaptive Immune Response: MicroRNA-146a is a modulator of IL-2 expression and AICD in T lymphocytes
G. Curtale, F. Citarella, C. Carissimi, N. Carucci, V. Fulci, D. Franceschini, F. Meloni, V. Barnaba & G. Macino (Rome, Italy) 189
- RhoG regulates the neutrophil NADPH oxidase and cytoskeleton
G. Damoulakis, L.R. Stephens & P.T. Hawkins (Cambridge, UK) 190
- CC chemokine ligand-2 synergizes with the nonchemokine G protein-coupled receptor ligand fMLP in monocyte chemotaxis, and it cooperates with the TLR ligand LPS via induction of CXCL8
M. Gouwy, S. Struyf, H. Verbeke, W. Put, P. Proost, G. Opdenakker & J. Van Damme (Leuven, Belgium)