

# **AEGEAN CONFERENCES**

*Linking the international scientific community  
Bringing the humanity scholars together*

## **5<sup>th</sup> International Conference on Innate Immunity**

**Minoa Palace Conference Center  
June 21-26, 2008  
Chania, Crete, Greece**

AEGEAN CONFERENCES  
*5th International Conference on Innate Immunity*  
Minoa Palace Conference Center  
June 21-26, 2008  
Chania, Crete, Greece

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CONFERENCE ORGANIZER

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**John D. Lambris, Ph.D.**

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## PROGRAM OUTLINE

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<b>Saturday, June 21</b>		
Registration	5:00-8:00 PM	Minoa Palace Hotel Lobby
Welcome Reception/Dinner	8:00 PM	Main Restaurant

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<b>Sunday, June 22</b>		
Breakfast	7:00 AM	Main Restaurant
Registration	8:30 AM – 2:15 PM	Conference Center Lobby
Welcome and Opening Remarks	8:45 AM	Conference Center
<b>Session I</b>	9:00 AM	Conference Center
Coffee Break & Poster Viewing	11:05 AM	Conference Center
<b>Session II</b>	12:00 Noon	Conference Center
Lunch	2:10 PM	Minoa Palace
Dinner	8:00 PM	Local Greek Tavern
<i>The bus for the tavern will depart from the hotel at 7:30 PM</i>		

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<b>Monday, June 23</b>		
Breakfast	7: 00 AM	Main Restaurant
<b>Session III:</b>	9:00 AM	Conference Center
Coffee Break & Poster Viewing	11:05 AM	Conference Center

<b>Session IV:</b>	12:00 Noon	Conference Center
Lunch	2:10 PM	Minoa Palace
Dinner	8:00 PM	Local Greek Tavern

*The bus for the tavern will depart from the hotel at 7:30 PM*

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**Tuesday, June 24**

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Breakfast	7:00 AM	Main Restaurant
<b>Session V:</b>	8:30 AM	Conference Center
Coffee Break & Poster Viewing	11:00 AM	Conference Center
<b>Session VI:</b>	12:00 Noon	Conference Center
Lunch	2:10 PM	Minoa Palace
City Tour	3:00 PM	

*The bus for the city tour will depart from the hotel at 3:00 PM*

Dinner	8:00 PM	Local Greek Tavern
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**Wednesday, June 25**

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Breakfast	7:00 AM	Main Restaurant
<b>Session VII:</b>	9:00 AM	Conference Center
Coffee Break & Poster Viewing	11:05 AM	Conference Center
<b>Session VIII:</b>	12:00 Noon	Conference Center
Concluding remarks	2:10 PM	Conference Center
Lunch	2:15 PM	Minoa Palace
Gala Dinner	8:00 PM	Minoa Palace

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**Thursday, June 26**

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Breakfast

7:30 AM

Main Restaurant

**Departure**



# **PROGRAM**



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**Saturday, June 21**

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5:00 - 8:00 PM Open Registration  
8:00 PM Welcome Reception/Dinner

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**Sunday, June 22**

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8:45 AM **Welcome and Introductory Remarks**

**Session I** **Systems Approaches - Inflammation**  
**Chairs:** JD Lambris, S Subramaniam

- 9:00 AM **1** ***The macrophage lipidome***  
S Subramaniam
- 9:25 AM **2** ***The genetic architecture of diet-induced obesity***  
DA Buchner, LC Burrage, AE Hill, EJ Vazquez, M Rosca, P Solinas, S Yazbek, H Shao, ES Lander, CL Hoppel, and JH Nadeau
- 9:50 AM **3** ***Complement: From Behind the Scenes Into the Spotlight***  
JD.Lambris
- 10:15 AM **4** ***Regulation of inflammatory cell recruitment by endothelial adhesion receptors***  
T Chavakis
- 10:40 AM **5** ***Pentraxins at the interface between humoral and cellular innate immunity***  
A Mantovani

11:05 AM Coffee Break & Poster Viewing

**Session II** **TLR**  
**Chairs:** T Espevik, LA O'Neill

- 12:00 Noon **6** ***Increasing complexity in innate immune signalling***  
LA O'Neill
- 12:25 PM **7** ***Negative regulation of TLR signaling by Bcl-3***  
RJ Carmody, Q Ruan, S Palmer, B Hilliard, and YH Chen
- 12:50 PM **8** ***Interleukin 10 enhances production of soluble MD-2 and CD14 – possible roles in systemic inflammation***  
T Espevik, Ø Sandanger, L Ryan, H Husebye, and M Hjelmseth

1:15 PM	<b>9</b>	<b><i>Role of macrophage lipid rafts in TLR signaling, uptake, and intracellular fate of bacterial pathogens</i></b> G Hajishengallis and M Wang
1:40 PM	<b>10</b>	<b><i>Membrane sorting of Toll-like receptor (TLR)-2/6 and TLR2/1 heterodimers at the cell surface determines heterotypic associations with CD36 and intracellular targeting</i></b> F Gamper, MA Mouratis, RM Haston, S Morath, T Hartung, M Triantafilou, and K Triantafilou
1:55 PM	<b>11</b>	<b><i>Molecular mechanisms of Toll-like receptor activation</i></b> N Pirher, J Vašl, N Resman, K Ivičak, J Pohar, M Benčina, and R Jerala
2:10 PM		Lunch
8:00 PM		Dinner at a local Greek Tavern <i>The bus for the tavern will depart from the hotel at 7:30 PM</i>

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**Monday, June 23**

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<b>Session III</b>		<b>NK Cells</b> <b>Chairs:</b> A. Moretta, E Vivier
9:00 AM	<b>12</b>	<b><i>Definition, traffic and function of natural killer cells</i></b> E Vivier
9:25 AM	<b>13</b>	<b><i>Differential contribution of CD56 bright and CD56 dull natural killer cell subsets to innate and adaptive immune responses</i></b> A Moretta
9:50 AM	<b>14</b>	<b><i>The structural basis of recognition of HLA-E by the CD94-NKG2 receptors</i></b> AG Brooks, L C Sullivan, C Clements, E Petrie, J Lin, D Johnson, H Hoare, T Beddoe, H Reid, and J Rossjohn
10:15 AM	<b>15</b>	<b><i>Natural killer cell immunogenetics</i></b> P Parham
10:40 AM	<b>16</b>	<b><i>Lysis of endogenously infected CD4+ T cell blasts by rIL-2 activated autologous natural killer cells from HIV-infected viremic individuals</i></b> D Mavilio, M Fogli, E Brunetta, S Varchetta, K Ata, G Roby, C Kovacs, D Follmann, D Pende, J Ward, E Barker, E Marcenaro, A Moretta, and AS Fauci
11:05 AM		Coffee Break & Poster Viewing

<b>Session IV</b>		<b>Complement</b>
		<b>Chairs:</b> J Köhl, W. Song
12:00 Noon	<b>17</b>	<b><i>C5a receptor is part of a novel pathogen recognition system</i></b> J Aliberti and J Köhl
12:25 PM	<b>18</b>	<b><i>Roles of C5aR and C5L2 in experimental sepsis</i></b> PA Ward, D Rittirsch, MA Flierl, C Gerard, and K Cianflone
12:50 PM	<b>19</b>	<b><i>Coincidental complement activation by TLR ligands in vivo amplifies TLR-dependent inflammation</i></b> X Zhang, Y Kimura, L Zhou, T Miwa, and WC Song
1:15 PM	<b>20</b>	<b><i>Complement cascade (CC) cleavage fragments - C3a and C5a anaphylatoxins – as new unexpected hypoxia-related stimulators of erythropoiesis</i></b> J Ratajczak, M Wysoczynski, and MZ Ratajczak
1:40 PM	<b>21</b>	<b><i>A dual role of the C5a receptor (C5aR) in acute and chronic dextran sulphate induced models of inflammatory bowel disease</i></b> K Johswich, M Martin, A Bleich, M Kracht, O Dittrich-Breiholz, JE Gessner, S Suerbaum, C Rheinheimer, and A Klos
1:55 PM	<b>22</b>	<b><i>C5a receptor is required for ethanol-induced TNF-<math>\alpha</math> expression and hepatocyte injury</i></b> S Roychowdhury, MR McMullen, MT Pritchard, ME Medof, AF Stavitsky, and LE Nagy
2:10 PM		Lunch
8:00 PM		Dinner at Local Greek Tavern <i>The bus for the tavern will depart from the hotel at 7:30 PM</i>

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**Tuesday, June 24**

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<b>Session V</b>		<b>Complement</b>
		<b>Chairs:</b> B Ghebrehiwet, M Huber-Lang
8:30 AM	<b>23</b>	<b><i>Structural insights into central steps of complement activation</i></b> BJC Janssen, FJ Milder, MA Hadders, J Wu, A Stortelder, L Gomes, A Schouten, and P Gros
8:55 AM	<b>24</b>	<b><i>The complement and kallikrein-kinin systems: Two</i></b>

- proinflammatory pathways triggered by gC1qR*  
B Ghebrehiwet and EI Peerschke
- 9:20 AM 25 ***Early changes of the serine protease system and complement regulatory proteins (CReg) after severe tissue injury humans***  
M Huber-Lang, M Martin, A Blom, M Neheir, U Bruckner, U Amara, F Gebhard, P Zipfel, and J Lambris
- 9:45 AM 26 ***Factor H and complement Factor H related proteins: From Innate Immunity to Medicine***  
P Zipfel
- 10:10 AM 27 ***The double-edged sword of innate immunity - attention paid to complement and CD14***  
TE Mollnes
- 10:30 AM 28 ***Regulation of Innate immune reactions in clinical cell transplantation***  
B Nilsson
- 11:00 AM Coffee Break & Poster Viewing
- Session VI Host-Pathogen Interactions**  
**Chairs:** TE Mollnes, P. Ward
- 12:00 Noon 29 ***Altered innate immunity in HCV infection***  
G Szabo
- 12:25 PM 30 ***Evasion of innate immunity and the evolution of a highly virulent pathogen***  
SM Paquette, JD Goguen, J Meccas, and E Lien
- 12:45 PM 31 ***Epithelial cell- dendritic cell crosstalk and immune evasion in human papillomavirus infection***  
MI Fernandez, AM Lennon-Dumenil, MA Marloie-Provost, P De Vos Van Steenwijk, M Heuze, M Favre, B Homey, and V Soumelis
- 1:05 PM 32 ***NLRX1 is a regulator of mitochondrial antiviral immunity***  
CB Moore, DT Bergstralh, JA Duncan, Z Chen, and JPY Ting
- 1:20 PM 33 ***Inhibition of influenza A viruses by proteins of the innate immune system***  
PC Reading, ER Job, AG Brooks, EC Crouch, B Bottazzi, and A Mantovani
- 1:35 PM 34 ***Does the nuclear accumulation of IRF-3 is dependent of a functional nuclear localization sequence?***  
A Bibeau-Poirier, JF Clément and MJ Servant

1:50 PM	<b>35</b>	<b><i>Structures of cognate and non-cognate ligands of CXCR4</i></b> E Lolis
2:10 PM		Lunch
3:00 PM		City Tour <i>The bus for the city tour will depart from the hotel at 3:00 PM</i>
8:00 PM		Dinner at a local Greek Tavern

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**Wednesday, June 25**

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<b>Session VII</b>		<b>NK Cells – Inflammation</b> <b>Chairs:</b> L. Moretta, Y Paterson
9:00 AM	<b>36</b>	<b><i>Human NK cells: from receptors to the cure of high risk leukemias</i></b> L Moretta, F Locatelli, D Pende, MC Mingari, and A Moretta
9:25 AM	<b>37</b>	<b><i>Structural studies of class Ib MHC</i></b> CS Clements, L Zeng, N G Walpole, L C Sullivan, D Johnson, J Lin, L Kjer-Nielsen, J McCluskey, J Rossjohn, and AG Brooks
9:40 AM	<b>38</b>	<b><i>A minimal binding footprint on Cd1d-glycolipid is a basis for selection of the unique human NKT TCR</i></b> KS Wun, NA Borg, L Kjer-Nielsen, T Beddoe, R Koh, SK Richardson, M Thakur, AR Howell, JP Scott-Browne, L Gapin, DI Godfrey, J McCluskey and J Rossjohn
9:55 AM	<b>39</b>	<b><i>Variability of UL40 sequences in human cytomegalovirus isolated from HSCT patients: The impact on recognition by natural killer cells</i></b> LC Sullivan, SL Heatley, and AG Brooks
10:10 AM	<b>40</b>	<b><i>Critical role of phospholipase C <math>\gamma</math>2 (PLC <math>\gamma</math> 2) in autoimmune inflammation</i></b> Z Jakus, E Simon, D Györi, and A Mócsai
10:25 AM	<b>41</b>	<b><i>Vessel-associated stem cells attraction by inflammatory and alternatively activated human macrophages</i></b> K Lolmede, S Brunelli, and P Rovere-Querini
10:40 AM	<b>42</b>	<b><i>Advanced age is associated with increased pulmonary inflammation after burn injury and can be abrogated by treatment with anti-CXCR2 inhibition</i></b> EJ Kovacs, DE Faunce, CR Gomez, and V Nomellini

11:05 AM		Coffee Break & Poster Viewing
<b>Session VIII</b>		<b>Host Pathogen Interactions</b>
		<b>Chairs:</b> P Parham, L Romani
12:00 Noon	43	<i>Deciphering the lexicon between fungi and mammalian innate immunity</i> L Romani
12:25 PM	44	<i>Using listerial virulence factors to stimulate innate immunity</i> Y Paterson
12:50 PM	45	<i>Characterization of a Baboon model of Sepsis-induced organ dysfunction and its use for testing novel therapeutic agents</i> F Lupu, G Kinasewitz, TE Mollnes, J Lambris, and FB Taylor
1:10 PM	46	<i>Modulation of the host immune response by schistosome glycoconjugates</i> CMW Van Stijn, S Meyer, B Tefsen, E Van Liempt, Y Van Kooyk, A Imberty, R Geyer, and I Van Die
1:25 PM	47	<i>Anthrax lethal toxin triggers the formation of a membrane-associated inflammasome complex in murine macrophages</i> AM Nour, YG Yeung, L Santambrogio, ER Stanley, and J Brojatsch
1:40 PM	48	<i>Interferon-alpha receptor-deficient mice display prolonged survival during infection with Salmonella Typhimurium</i> S Sad
1:55 PM	49	<i>Strategies to develop innate immunity inert biomaterial surfaces – lessons learned from nature</i> KN Ekdahl, PH Nilsson, AE Engberg, JD Lambris, and B Nilsson
2:10 PM		Concluding Remarks
2:15 PM		Lunch
8:00 PM		<b>Gala Dinner</b>

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**Thursday, June 26**

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7:30 AM

Breakfast

**Departure**

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POSTERS

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- 50 ***Staphylococcus aureus* clumping factor A binds complement regulator factor I and increases factor I cleavage of C3b**  
KM Cunnion, PS Hair, MD Ward, OJ Semmes, and TJ Foster
- 51 ***Rapid clearance of bacterial pathogens: boosting innate immunity***  
A Chaudhary, M Norvell, G Gupta, S Uratsu, S McFarland, M Dandekar, and K McDonald
- 52 ***Monocyte expression of CD163 receptor for haemoglobin is modulated by cardiac surgery***  
J Krejssek, P Kunes, M Kolackova, M Trojackova, K Jankovicova, and C Andrys
- 53 ***Involvement of cellular factors during the respiratory vaccinia virus entry in the lung***  
J Perino, A-L Favier, J-M Crance, and D Garin
- 54 ***Screening of Cytokines in human colostrum and milk***  
J Burianova, M Kverka, I Kocourkova, L Tuckova, J Cinova, R Lodinova-Zadnikova, and H Tlaskalova-Hogenova
- 55 ***Identification and functional analysis of KIR2DS5+ NK cells by the use of a novel mAb reactive with KIR2D molecules***  
M Della Chiesa, M Falco, E Romeo, R Augugliaro, C Bottino, A Moretta, L Moretta, and M Vitale
- 56 ***Innate immunity plays an important role in desmin deficient cardiomyopathy***  
M Mavroidis, S Psarras, I Kostavassili, and Y Capetanaki
- 57 ***Role of C5a receptors in protection against klebsiella pneumonia***  
FS Zetoune, A Mattar, G Atefi, JV Sarma, MR Hemmila, and PA Ward
- 58 ***Cytolytic molecules involved in non-self recognition in Eisenia fetida earthworms***  
P Procházková, M Šilerová, J Felsberg, R Josková, G Josens, A Beschin, P De Baetselier, and M Bilej<sup>1</sup>
- 59 ***Preferential development of CD4 and CD8 T regulatory cells in RasGRP1-deficient mice***  
X Chen, SJ Teh, and HS Teh
- 60 ***The role properdin in dendritic cell maturation***  
NA Salehen and C Stover
- 61 ***Response of porcine primary macrophages to in vitro***

- infection with Mycobacterium avium: intracellular detection of cytokine production*  
P Zelnickova, H Stepanova, P Bavlova, V Beran, I Pavlik, and M Faldyna
- 62 *Role of the mannose-binding lectin complement pathway in the Paracoccidioides brasiliensis opsonization*  
R Gomes Toledo, W Dias da Silva, and TL Kipnis
- 63 *Caspase-1 controls disease in rats challenged with anthrax lethal toxin*  
SM Muehlbauer, D Goldman, A Casadevall, and J Brojatsch
- 64 *Flagellin induced cell reprogramming and in vivo protection against Pseudomonas aeruginosa infection*  
FSX Yu
- 65 *Polarized macrophages and osteoclasts: friends or foes?*  
L Campana, E Benasciutti, AA Manfredi, S Cenci, and P Rovere-Querini
- 66 *Induction of type 1 interferon by viral haemorrhagic septicaemia rhabdovirus (VHSV): role of surface glycoprotein G*  
V Chico, M Ortega-Villaizan, A Falco, L Perez, R Mallavia, JM Coll, and A Estepa
- 67 *Inhibition of C1 activation by human astrovirus coat protein*  
KM Cunnion, PS Hair, JQ Gronemus, KB Crawford, and NK Krishna
- 68 *Stimulation of lung innate immunity protects mice broadly against bacterial, fungal and viral pneumonia*  
SE Evans, CG Clement, JW Peterson, BE Gilbert, G Bowden, BL Scott, MJ Tuvim, and BF Dickey
- 69 *Serum concentration of H-Ficolin and the risk of Fever in neutropenia in pediatric cancer patients*  
LJ Schlapbach, C Aebi, A Gudmann Hansen, A Hirt, JC Jensenius, and RA Ammann
- 70 *The macrophage inducible c-type lectin, mincle, is an essential component of the innate immune response to Candida Albicans*  
RB Ashman and CA Wells
- 71 *Mycobacteria express within the macrophage a RAB7 deactivating factor leading to abortion of phagolysosome fusion*  
J Sun, T Hong, AE Deghmane, Cecilia Bucci, and Z

- Hmama
- 72 ***Natural killer cell-mediated recognition of glioblastoma cancer stem cells***  
R Castriconi, A Dondero, A Daga, G Corte, G Zona, L Moretta, A Moretta, and C Bottino
- 73 ***Evasion of toll-like receptor 5 recognition by alkaline protease of *P.Aeruginosa****  
BW Bardoel, KP van Kessel, and JAG van Strijp
- 74 ***Activated  $V\gamma 9^+$  lymphocytes from healthy individuals and patients with progressive systemic sclerosis induce tumor necrosis factor  $\alpha$  dependent apoptosis of fibroblasts***  
A Bendersky and I Bank
- 75 ***Staphylococcal superantigen-like 5 is a broad spectrum chemokine and anaphylatoxin inhibitor***  
J Bestebroer, H Azouagh, KP van Kessel, CJ de Haas, and JAG van Strijp
- 76 ***The detailed study of the mouse SPRET/Ei, should reveal new anti-inflammatory molecules***  
L Dejager, I Pinheiro, F Van Hauwermeiren, I Vanlaere, T Hochepped, and C Libert
- 77 ***Uropathogenic *e. coli* influence the immune response by the formation of biofilm***  
P Lüthje, M Chromek, X Wang, L Kádas, B Agerberth, U Römling, and A Brauner<sup>1</sup>
- 78 ***Regulation of thymosin beta 4 in chicken macrophages***  
L Kannan, R Liyanage, JO Lay Jr, and NC Rath
- 79 ***Phenotypes of natural killer cells in Korean patients with adult-onset Still's diseases***  
HS Kim, JS Lee, and DH Yoo
- 80 ***Human complement factor H-related protein 4 binds native pentameric CRP and recruits CRP to the surface of necrotic cells***  
M Mihlan, M Hebecker, M Huber-Lang, R Dahse, PF Zipfel, and M Józsi
- 81 ***Factor H autoantibodies block C-terminal recognition domain and inhibit host cell protective activity of factor H in atypical hemolytic uremic syndrome***  
S Strobel, H Richter, PF Hoyer, CJ Mache, C Skerka, PF Zipfel, and M Józsi
- 82 ***Examination of changes in porcine bronchoalveolar lavage fluid Composition during Lung infection***  
I Hennig-Pauka, F Blecha, KH Waldmann, and GF

Gerlach

- 83** *ADC-1004 is a potent c5a receptor inhibitor with low serum reactivity*  
E Gustafsson, K Barchan, K Bryder, C Forsberg, K Haraldsson, KPM van Kessel, L Ljung, A Rosén, JAG van Strijp, and C Furebring
- 84** *Molecular cloning and characterization of a novel invertebrate-type lysozyme from Eisenia Fetida earthworm*  
R Joskova, M Silerova, P Prochazkova P, and M Bilej
- 85** *Effect of mucosal microbiota on tumorigenesis in the mouse model of colorectal cancer*  
K Klimesova, P Rossmann, M Kverka, L Frolova, T Hudcovic, and H Tlaskalova – Hogenova
- 86** *Clearance of apoptotic neutrophils is critically regulated by the opposing actions of TNF- $\alpha$  AND il-10*  
S Michlewska, I Dransfield, IL Megson, and AG Rossi
- 87** *Identification of a serum factor required for enhanced phagocytosis of apoptotic cells by glucocorticoid-treated macrophages*  
A McColl, C Haslett, and I Dransfield
- 88** *Interaction on platelet surfaces between Chondroitin sulfate and complement*  
PH Nilsson, OA Hamad, B Nilsson, and KN Ekdahl
- 89** *Structural and functional studies of innate immune receptors for intracellular viral RNA*  
E Kowalinski and S Cusack
- 90** *Comparaison of immunoregulatory cytokine expression patterns in the systemic and genital tract compartments of female commercial sex workers in Benin*  
J Lajoie, M Massinga Loembe, AC Labbé, J Poudrier, M Alary, and M Roger
- 91** *Oestrogen as an innate immune defense modulator in uroepthelial cells*  
Å Holm, A Övregaard, C Hultling, and A Brauner
- 92** *Regulation of TLR4 signaling by the EGF-TM7 receptor CD97*  
T Miwa, L Zhang, X Zhang, DG Johns, PJ Gough, DR Manning, and W Song
- 93** *THE Complement inhibitor Low molecular weight dextran sulfate prevents tLR4 mediated activation of dendritic cells*  
R Spirig, C van Kooten, C Obregon, L Nicod, M Daha,

and R Rieben

- 94 ***The antifungal activity of a plant defensin requires membrane permeabilization and internalization***  
NL van der Weerden, FT Lay, MA Anderson, and RW Hancock
- 95 ***An Invertebrate functional analogue of TNF***  
M Silerova, R Joskova, R Van den Bergh, P Prochazkova, P Ameloot, De P Baetselier, A Beschin<sup>2</sup>, and M Bilej
- 96 ***Analysis of NK cell-mediated cytolytic activity against human malignant melanoma cells expressing CD133, a putative stem cell-associated antigen***  
G Pietra, C Manzini, M Vitale, M Balsamo, L Moretta, and MC Mingari
- 97 ***Innate immunity mechanism in cervicovaginal epithelium in responses to PAMPs and microbicide gel niscar***  
KVR Reddy, SM Gupta, CC Aranha, and GM Bhonde
- 98 ***Matrix Metalloproteases (MMPs) play an essential role in endotoxemia***  
I Vanlaere, E Dejonckhere, P Van Lint, L Puimede and C Libert
- 99 ***Leptin modulates innate and adaptive immune cell recruitment after sub-acute cigarette smoke inhalation in mice***  
JH Vernooij, KR Bracke, NE Drummen, N Pauwels, RJ van Suylen, GF Joos, EF Wouters, and GG Brusselle
- 100 ***Stoichiometry of Toll-like receptor 4 within the “LPS-sensing apparatus”***  
M Triantafilou, MA Mouratis, F Gamper and K Triantafilou
- 101 ***Chemokine receptor 4 (CXCR4) is part of the lipopolysaccharide “sensing apparatus”***  
M Triantafilou, PM Lepper, CD Briault, MAE Ahmed, JM Dmochowski, C Schumann and K Triantafilou
- 102 ***Synergic recognition of human Rhinoviruses by Toll-like receptors and MDA-5***  
M Triantafilou, E Vakakis and K Triantafilou
- 103 ***Human NK cells directly recognize mycobacterium bovis and acquire the ability to interact with monocyte-derived DC***  
E Marcenaro, B Ferranti, S Pesce, S Parolini, L Moretta, and A Moretta

- 104 *Heterogeneity of TLR3 mRNA transcripts and responsiveness to poly (I:C) in human NK cells derived from different donors***  
S Sivori, M Falco, S Carlomagno, E Romeo, L Moretta, and A Moretta
- 105 *Anti-inflammatory effects of mycobacterial heat shock proteins tested in macrophage cell lines***  
Z Zakostelska, M Kverka, R van der Zee, W van Eden, and H Tlaskalova-Hogenova
- 106 *Host defense peptides and pulmonary innate immune responses against *B. pseudomallei****  
SH Sim, SP Suppiah, Y Liu, V Novem, D Wang, EE Ooi, GGY Tan
- 107 *Expression of genes for complement and pentraxin proteins in dying cells: program for paying the Charon's toll***  
M Korbelik and S Merchant
- 108 *LPS and GM-CSF mediate a clathrin-dependent internalization and sorting of NADPH oxidase (NOX2) to a novel class of stimulus-regulated secretory vesicles in mono-nuclear phagocytes***  
P Ejlerskov, D Ploug, J Burritt, B van Deurs, and F Vilhardt
- 109 *Lipopolysaccharides from atherosclerosis-associated bacteria antagonize TLR4, induce formation of TLR2/1/CD36 complexes in lipid rafts and trigger TLR2-induced inflammatory responses in human vascular endothelial cells***  
F Gamper, PM Lepper, C Schumann, E Harokopakis, RE Schifferle, G Hajishengallis, M Triantafilou and K Triantafilou
- 110 *Mutations in NALP12 cause hereditary periodic fever syndromes***  
I Jéru, P Duquesnoy, T Fernandes-Alnemri, E Cochet, JW Yu, M Lackmy-Port-Lis, E Grimpel, G Gilles, ES Alnemri, and S Amselem
- 111 *Substrate induced activity of zymogen MASP-2***  
A Kocsis, J Balczér, V Harmat, P Závodszy, and P Gál
- 112 *Control of *Listeria monocytogenes* via intracellular recognition and autophagy in *Drosophila****  
S Kurata
- 113 *Ligation of CD137 on neutrophils by monoclonal antibody markedly increases the survival of listeria-***

- infected mice*  
SC Lee, SA Ju, SMin Park and BS Kim
- 114 ***Development of immune responses against Burkholderia pseudomallei infection in murine models of melioidosis***  
Y Liu, J Thong, SH Sim, D Wang, EE Ooi, and G Tan
- 115 ***NK cells stimulated by CD16 promote maturation of autologous dendritic cells***  
ME Márquez and HD Stekman
- 116 ***Effect of N-acetylcysteine (NAC) on the inflammatory cytokines mRNA expression and protein concentration in LPS activated macrophages***  
JR Palacio, N Semis, and P Martínez
- 117 ***Response of porcine macrophages to in vitro infection with Mycobacterium avium: detection of cytokine and inducible nitric oxide synthase mRNA expression***  
B Pavlova, H Stepanova, P Zelnickova, V Beran, I Pavlik, and M Faldyna
- 118 ***Interaction of porcine macrophages with Mycobacterium avium in vitro: detection of surface markers and Xiehl-Neelsen staining of infected Macrophages***  
H Stepanova, P Zelnickova, B Pavlova, V Beran, I Pavlik, and M Faldyna
- 119 ***Molecular and functional analysis of NK cell activity in cancer***  
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*during Phagocytosis*

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*Hilton Conference Center, Rhodes, Greece. June 26 - July 1, 2008*

**3rd International Conference on Tissue Engineering**

*Aldemar Paradise Village, Rhodes, Greece. September 21-26, 2008*

**4th International Conference on Gene Regulation in Lymphocyte Development**

*Aldemar Paradise Village, Rhodes, Greece. October 11-16, 2008*

**3<sup>rd</sup> International Conference on Crossroads between Innate and Adaptive Immunity**

*Corfu Chandris, Corfu, Greece. May 25-30*

**2nd International Summit on Hurricanes and Climate Change**

*Corfu Chandris, Corfu, Greece. May 31 - June 5, 2009*

**7<sup>th</sup> International Conference on Pathways, Networks, and Systems Medicine**

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**5th International Workshop on Complement Associated Diseases, Animal Models, and Therapeutics**

*Aldemar Knossos Royal Village, Hersonissos, Crete, Greece. June 14-19, 2009*

**5th International Leukocyte Signal Transduction Workshop: Clinical implications of signaling pathways**

*Aldemar Knossos Royal Village, Hersonissos, Crete, Greece. June 21-26, 2009*

**First International Conference on Inflammation and Retinal Disease: Complement Biology and Pathology**

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**4<sup>th</sup> International Conference on Autoimmunity: Mechanisms and Novel Treatments**

*Minoa Palace, Chania, Crete, Greece, October 2009*