



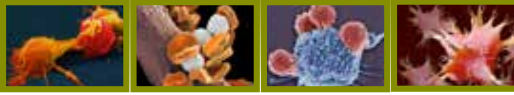
INTERNATIONAL RETREAT OF PhD STUDENTS IN IMMUNOLOGY

19-20 June 2015

Magna Græcia University of Catanzaro, Italy

Advanced Preliminary Program





ORGANIZING COMMITTEE

Professor Ennio Carbone

Head of Immunopathology and Tumor Immunology Laboratories
Magna Græcia University of Catanzaro (Italy)

Doctor Francesca Di Rosa

Institute of Molecular Biology and Pathology,
Italian National Research Council, Rome (Italy)

Doctor Cecilia Garlanda

Head of Laboratory of Experimental Immunopathology,
Humanitas Clinical and Research Center, Rozzano, Milan (Italy)

PARTICIPATING INSTITUTIONS

European Federation of Immunology Societies (EFIS)

Austrian Immunology Society (Austria)

German Immunology Society (Germany)

Swedish Society for Immunology (Sweden)

Institute Louis Pasteur, Tunis (Tunisia)

King's College, Cambridge (United Kingdom)

PhD Program in Molecular Cellular Clinical Allergology,
University of Vienna (Austria)

Magna Græcia University of Catanzaro (Italy)

Department of Experimental and Clinical Medicine,
Magna Græcia University of Catanzaro (Italy)

PhD in Life Sciences, Magna Græcia University of Catanzaro (Italy)

PhD in Clinical and Molecular Oncology, Magna Græcia University of Catanzaro (Italy)

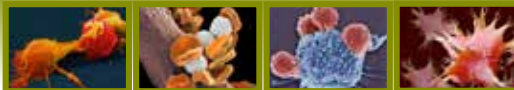
PhD in Immunological, Rheumatological and Haematological Sciences,
La Sapienza University of Rome (Italy)

PhD in Pharmaceutical and Medical Biomolecular Sciences,
Aldo Moro University of Bari (Italy)

PhD in Molecular Medicine and Biotechnology, University of Palermo (Italy)

PhD in Clinical Sciences, Department of Experimental and Clinical Medicine,
University of Florence (Italy)

PhD in Clinical Pathophysiology and Experimental Medicine,
University Federico II of Naples (Italy)



INTERNATIONAL SCIENTIFIC COMMITTEE

(updated to March 5, 2015)

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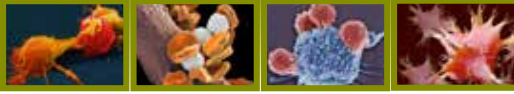
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Marita Troye-Blomberg

Professor emerita

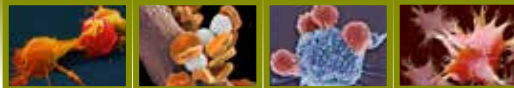
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Medical Clinic "G. Baccelli", University of Bari Medical School (Italy)

Carsten Watzl

Head of Research Group "Immunology"
Leibniz Research Centre for Working Environment and Human Factors
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GENERAL INFORMATION

SIICA SECRETARIAT



Società Italiana di Immunologia
Immunologia Clinica e Allergologia

Rita Repizzi

Tel. +39 333 4398196

siica.amministrazione@siica.it

ORGANIZING SECRETARIAT



meeting solutions

OIC Srl

Viale G. Matteotti, 7 - 50121 Florence, Italy

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infosiiicaretreat2015@oic.it

www.oic.it/siiicaretreat2015

MEETING VENUE

Aula Magna A, Biological Building

University "Magna Græcia" of Catanzaro

University Campus

Level -1 Building H

Viale Europa - Germaneto - Catanzaro (Italy)

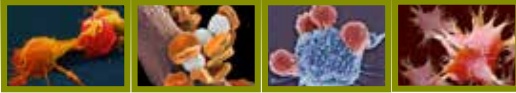
www.unicz.it

TRASPORTATION TO THE MEETING VENUE

By air: from the International Airport Lamezia Terme you can reach the Meeting Venue by car in about 35 min. Proceed along the SS280 direction Catanzaro, take the exit to Germaneto, continue along Viale Europa. From the International Airport Lamezia Terme you can reach Catanzaro by "Autolinea Romano Catanzaro". Please visit the website for further details: www.lameziaairport.it/come-arrivare/

By bus: from Catanzaro railway station take local public transport, routes 47 or 48 and from Catanzaro Lido railway station route 46 (for timetables visit the website www.amcspa.it).

By car: From Catanzaro 15 minutes roughly: proceed along the SS280 direction Lamezia Terme, take the exit to Germaneto, continue along Viale Europa. From A3 motorway, exit Lamezia Terme - Catanzaro, the Campus can be reached in about 35 min.: proceed along the SS280 direction Catanzaro, take the exit to Germaneto, continue along Viale Europa. From Soverato 25 min. roughly: proceed along the Ionian highway 106 northwards up to the intersection of Catanzaro Lido, turn to direction Lamezia Terme, continue along Viale Europa.



GENERAL INFORMATION

PRIVATE TRANSFERS

Shuttle buses will be organized for all participants by the Organizing Secretariat OIC as follows:

- 18 June from Lamezia Airport and Lamezia Railway Station to Catanzaro Lido;
 - 19 and 20 June from / to Catanzaro Lido to / from the Meeting Venue;
 - 20 June from the Meeting Venue to Lamezia Airport and Lamezia Railway Station
- Further details will be available as soon as possible.

REGISTRATIONS

The registration is free but it is mandatory to submit an abstract for those wishing to participate in the Meeting.

Online registrations and hotel reservations will be available on www.oic.it/siicaretreast2015.

Applications can be submitted also through the registration form that should be sent to the Organizing Secretariat OIC by email: registrationsiicaretreast2015@oic.it or by fax (+39 055 5035230).

For further information please contact the Organizing Secretariat OIC srl.

The registration includes:

- access to the scientific sessions;
- meeting kit including name badge and certificate of attendance.

LANGUAGE

English is the official language of the Meeting and no simultaneous translation is foreseen.

CATERING FACILITIES

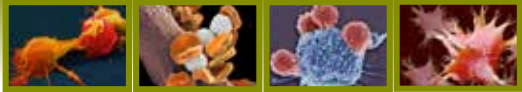
Snack bars for coffees and lunches are available in the Meeting Venue.

SOCIAL DINNER

The Social Dinner is scheduled on 19 June. Details about location and cost will be available as soon as possible.

TRAVEL GRANTS

Travel grants will be foreseen. More details will be available as soon as possible on www.oic.it/siicaretreast2015.

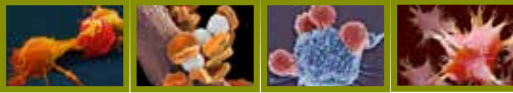


SCIENTIFIC PROGRAM

AULA MAGNA A - FRIDAY, 19 JUNE 2015

Members of the International Scientific Committee will chair the Scientific Sessions

- 9.00 **SESSION I**
10.40 **INNATE IMMUNE RESPONSES**
- 9.00 The atypical chemokine receptor 2 promotes breast cancer lung metastatization through modulation of the metastatic niche
M. Massara, B. Savino, N. Caronni, O. Bonavita, C. Recordati, A. Mantovani, M. Locati, R. Bonecchi (Rozzano - I, Milan - I)
- 9.10 Do uterine innate lymphocytes promote implantation by modulating eosinophils?
E. Balmas, J.-M. Doisne, F. Colucci (Cambridge - UK)
- 9.20 Regulation of IL-10 production in B cells
S. Tonon, F. Mion, G. Vitale, A. Radbruch, J. Dong, C.E.M. Pucillo (Udine - I, Berlin - D)
- 9.30 Multiple myeloma cell-derived exosomes: molecular features and immunomodulatory role on human natural killer cell-mediated functions
E. Vulpis, A. Zingoni, F. Cecere, R. Molfetta, L. Mauelli, L. Simonelli, C. Fionda, A. Soriani, R. Paolini, M. Cippitelli, A. Santoni (Rome - I)
- 9.40 Down regulation of atypical chemokine receptor 2 expression by hematopoietic progenitors promotes myeloid cell mobilization and differentiation
O. Bonavita, N. Caronni, B. Savino, M. Massara, L. Crisafulli, F. Ficara, A. Mantovani, M. Locati, R. Bonecchi (Milan - I)
- 9.50 Modulation of CXCR2 signaling by CCRL2 in mouse neutrophils
L. Gazzurelli, C. Mazzon, L. Tiberio, A. Vecchi, S. Sozzani, A. Del Prete (Brescia - I, Rozzano - I)
- 10.00 Reduced inhibition of maternal uterine natural killer cells enhances fetal growth
L. Gaynor, J. Kieckbusch, F. Colucci (Cambridge - UK)
- 10.10 Interleukin-1 receptor 8 (IL-1R8) plays a crucial role in natural killer (NK) cell differentiation and function
M. Molgora, E. Bonavita, A. Ponzetta, M. Barbagallo, G. Benigni, G. Bernardini, A. Santoni, C. Garlanda, A. Mantovani (Rozzano - I, Rome - I)
- 10.20 Regulation of activating receptor CD226 ligand expression in multiple myeloma: role of SUMOylation
B. Zitti, R. Molfetta, L. Quatrini, C. Fionda, M. Cippitelli, A. Santoni, R. Paolini (Rome - I)
- 10.30 Induction and function of Type I Interferon during Streptococcus pyogenes infection
V. Castiglia, A. Piersigilli, F. Ebner, S. Lienenklaus, P. Kovarik (Vienna - A, Bern - CH, Braunschweig - D)
- 10.40 Break



SCIENTIFIC PROGRAM

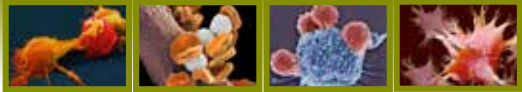
AULA MAGNA A - FRIDAY, 19 JUNE 2015

Members of the International Scientific Committee will chair the Scientific Sessions

11.00 **SESSION II**

12.40 **ADAPTIVE IMMUNE RESPONSES**

- 11.00 Demethylation of the RAR-related orphan receptor C 2 and interleukin-17A genes in human CD4+ T lymphocytes defines T helper 17 origin of non-classic T helper 1 cells
A. Mazzone, V. Santarlasci, L. Maggi, M. Capone, M.C. Rossi, V. Querci, R. De Palma, H.-D. Chang, A. Thiel, F. Liotta, L. Cosmi, E. Maggi, A. Radbruch, S. Romagnani, J. Dong, F. Annunziato (Florence - I, Naples - I, Berlin - D)
- 11.10 Phosphoglucosyltransferase 3: a novel primary immunodeficiency gene identified in highly consanguineous Tunisian patients with increased serum IgE levels, impaired immunity and developmental delay
L. Ben-Khemis, A. Sassi, S. Lazaroski, G. Wu, M. Ben-Ali, I. Ben-Mustapha, M. Fliegau, A. Schäffer, E. Smith, A. Dell, B. Grimbacher, M.-R. Barbouche (Tunis - TN, Freiburg - D, London - UK, Bethesda - USA, Huddinge - S)
- 11.20 Macrophage derived reactive oxygen species regulate arthritis and psoriasis-like dermatitis in ZAP70 mutant mice
S. Guerard, R. Holmdahl, K. Wing (Stockholm - S)
- 11.30 Characterization of apoptotic-epitope-specific CD8+ T cells: new potential biomarker of therapeutic response to Etanercept
A. Citro, C. Martire, R. Scrivo, H. Martini, F. Miranda, G. Valesini, V. Barnaba (Rome - I)
- 11.40 Microbial signals control inflammation and autoimmunity induced by hypomorphic RAG defects
R. Rigoni, E. Fontana, V. Maina, S. Mantero, V. Marrella, G. Pesole, J.R. Mora, S. Guglielmetti, L. Poliani, F. Grassi, A. Villa, B. Cassani (Rozzano - I, Brescia - I, Milan - I, Bari - I, Boston - USA)
- 11.50 Regulatory T cells immunometabolism in chronic inflammation and tumor
I. Pacella, C. Focaccetti, V. Barnaba, S. Piconese (Rome - I)
- 12.00 Memory T cell and plasma cell niches in human bone marrow
L. Pangrazzi, J. Lair, M. Bahn, A. Meryk, B. Grubeck-Loebenstien (Innsbruck - A)
- 12.10 The role of bone marrow promiscuous gene expression in peripheral tolerance
C.-Y. Chen, F. Klug, B. Kyewski, P. Beckhove (Heidelberg - D)
- 12.20 Molecular hallmarks in myasthenia gravis
C. Barzago, K.G. Srinivasan, J. Lum, P. Cavalcante, P. Bernasconi, R. Mantegazza, M. Poidinger, F. Zolezzi, L. Mori, R. Calogero (Milan - I, Singapore - SGP, Turin - I)



SCIENTIFIC PROGRAM

AULA MAGNA A - FRIDAY, 19 JUNE 2015

Members of the International Scientific Committee will chair the Scientific Sessions

11.00 **SESSION II**

12.40 **ADAPTIVE IMMUNE RESPONSES** (cont.)

12.30 Study of cytokines and transcriptional biomarkers in Tunisian renal allograft: predictive value in the occurrence of rejections
Y. Haouami, I. Sfar T. Ben Adallah, Y. Lakhoua Gorgi (Bab Saadoun - TN))

12.40 **Lecture Beckman Coulter**

13.10 Laura Maggi - University of Florence (Italy)

13.30 **Key Note Lecture**

14.30 Learning the molecular lingua franca of epithelial immune-surveillance
Adrian Hayday - King's College London (UK)

14.30 Break

15.00 **POSTER SESSION - POSTER AREA**

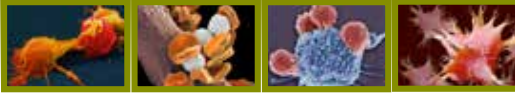
18.00

P1 Natural killer cells targeting of human and mouse cancer initiating cells
R. Talerico, L. Conti, S. Lanzardo, C. Garofalo, R. Sottile, M. Todaro,
G. Stassi, G. Parmiani, F. Dieli, F. Cavallo, E. Carbone
(Catanzaro - I, Turin - I, Palermo - I, Milan - I)

P2 Human dendritic Cell immune-regulation in response to Staphylococcus aureus infection
M. Cruciani, R. Camilli, M.P. Etna, E. Giacomini, M. Severa, C. Pozzi,
Z. Percario, E. Affabris, A. Pantosti, F. Bagnoli, E.M. Coccia (Rome - I, Siena - I)

P3 Different subsets of invariant natural killer T cells from patients with secondary progressive form of multiple sclerosis display proinflammatory profiles
E. Bianchini, S. De Biasi, M. Nasi, D. Ferraro, F. Vitetta, A.M. Simone,
L. Gibellini, M. Pinti, C. Del Giovane, P. Sola, A. Cossarizza (Modena - I)

P4 Abcc3 transporter protects natural killer cells from the alkylating agent temozolomide in a murine model of malignant glioma
S. Pessina, G. Cantini, D. Kapetis, E. Cazzato, G. Finocchiaro, S. Pellegatta
(Milan - I)

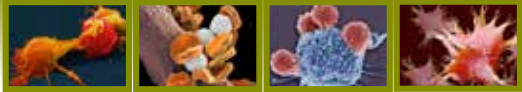


**SCIENTIFIC PROGRAM
FRIDAY, 19 JUNE 2015**

Members of the International Scientific Committee will chair the Scientific Sessions

15.00 **POSTER SESSION - POSTER AREA** (cont.)
18.00

- P5 Innate immune response in lethal viral myocarditis: case report and short review
D. De Bartolo, F. Ausania, S. Gratteri, P. Ricci (Catanzaro - I)
- P6 Role of the nuclear factor of activated T-cells (NFAT) signaling in innate immune cells during fungal infections
W. Santus, S. Barresi, F. Mingozzi, I. Zanoni, F. Granucci (Milan - I)
- P7 Role of the nuclear factor of activated T cells (NFAT) signalling pathway in determining inflammation and neurodegeneration in Alzheimer's disease
V. Corliano, M. Matteoli, I. Zanoni, F. Granucci (Milan - I)
- P8 Involvement of WNT signaling in the physiopathology of Rheumatoid arthritis: a fibroblast like synoviocytes culture model
N. Sassi, D. Haj Mahmoud, M. Kallel Sellami, M. Allouche, E. Cheour, L. Laadhar (Tunis - TN)
- P9 Analysis of molecular mechanisms regulating natural killer cell activating ligand induction on vincristine-treated multiple myeloma cells
C. Borrelli, B. Ricci, A. Zingoni, R. Molfetta, C. Fionda, R. Paolini, M. Cippitelli, A. Soriani, A. Santoni (Rome - I)
- P10 Reconstitution of CD56^{low}CD16^{low} natural killer cells in pediatric leukemic patients after T cell-depleted hematopoietic stem cell transplantation
P. Nisti, H. Stabile, S. Morrone, D. Pagliara, A. Bertaina, F. Locatelli, A. Santoni, A. Gismondi (Rome - I, Pavia - I)
- P11 Gliadin modulates epithelial permeability by stimulating arginine metabolism in macrophages
F. Ingoglia, A. Barilli, B.M. Rotoli, R. Visigalli, M. Cirilini, B. Prandi, V. Dall'Asta (Parma)
- P12 Inhibition of bromodomain and extra-terminal (BET) proteins increases NKG2D ligand MICA expression and sensitivity to natural killer cell-mediated cytotoxicity in multiple myeloma cells: role of cMYC/IRF4
M.P. Abruzzese, C. Fionda, A. Zingoni, A. Soriani, E. Vulpis, F. Cecere, A. Santoni, M. Cippitelli (Rome - I)
- P13 Ex vivo analysis of cytokine production profile in intestinal mucosa of children with inflammatory bowel disease
G. Del Pozzo, R. Troncone, A. Staiano, C. Gianfrani, S. Vitale, C. Strisciuglio, L. Pisapia, E. Miele, P. Barba, A. Vitale, S. Cenni (Naples - I)

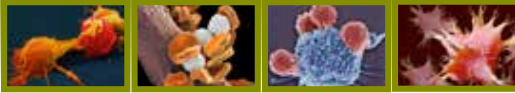


SCIENTIFIC PROGRAM
FRIDAY, 19 JUNE 2015

Members of the International Scientific Committee will chair the Scientific Sessions

15.00 **POSTER SESSION - POSTER AREA** (cont.)
18.00

- P14 Inducible enzymes 2,3- dioxygenase producing plasmacytoid dendritic cells migrate via afferent lymph to secondary lymphoid organs
C. De Pasquale, S. Campana, R. Conte, C. Barberi, D. Oliveri, R. Iemmo, G. Ferlazzo, I. Bonaccorsi (Messina, Genova)
- P15 Lipopolysaccharide binding to titanium dioxide nanoparticles enhances macrophage activation through a Toll Like Receptor4-dependent intracellular pathway
M. Allegri, M. Bianchi, A. Costa, A. Prina-Mello, E. Bergamaschi, O. Bussolati (Parma - I, Faenza - I, Dublin - IRL)
- P16 Role of regulatory T cells in the inflammatory bowel diseases
B. Neili, A. Ahmed, G. Guggino, N. Ben Moustapha, S. Amri, M. La Manna, M. Fekih, S. Kramti, A. Filali, K. Hamdi, A. Ben Ammar-Elgaaied, F. Dieli, R. Marrakchi (Tunis - TN, Palermo - I)
- P17 Combined therapy of cytokine-induced killer cells and monoclonal antibodies for solid tumors: a preclinical study
E. Cappuzzello, R. Sommaggio, A. Tosi, P. Zanovello, A. Rosato (Padua - I)
- P18 Identification of a human leukocyte antigen-A*0201-restricted immunogenic epitope from the universal tumor antigen dishevelled Egl-10 pleckstrin domain containing 1
A. Tosi, R. Sommaggio, E. Cappuzzello, P. Zanovello, A. Rosato (Padua - I)
- P19 Nanotechnology in nanomedicine: a new approach for therapeutic drug delivery
M. Di Francesco, R. Primavera, M. Fresta (Catanzaro - I, Chieti - I)
- P20 Isolation and characterization of mesenchymal stromal cells derived from paediatric patients with B acute lymphoblastic leukemia
F. Portale, L. Beneforti, C. Palmi, G. Cazzaniga, A. Biondi, E. Dander, G. D'Amico (Monza - I)
- P21 Towards a non-allergenic peptide mix containing the T cell epitopes of relevant house dust mite allergens
H.-J. Huang, M. Curin, S. Banerjee, K.-W. Chen, T. Garmatiuk, Y. Resch, R. Campana, M. Focke-Tejkl, R. Valenta, S. Vrtala (Vienna - A)
- P22 Computational tools and in silico approach applied to Immunotherapy
C. Talarico, F. Ortuso, G. Costa, A. Artese, R. Rocca, F. Moraca, S. Alcaro (Catanzaro - I)

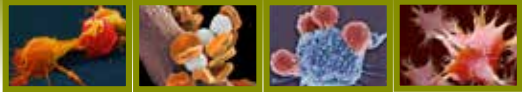


SCIENTIFIC PROGRAM

AULA MAGNA A - SATURDAY, 20 JUNE 2015

Members of the International Scientific Committee will chair the Scientific Sessions

- 9.00 **SESSION III**
10.40 **HARNESSING IMMUNITY TO PREVENT AND TREAT VIRAL,
AUTOIMMUNE AND TUMOR DISEASES**
- 9.00 Analysis of T and natural killer cells immune response in ipilimumab treated melanoma patients
R. Tallero, C.M. Cristiani, E. Palella, M. Capone, G. Madonna, C. Garofalo, E. Staaf, D. Mallardo, E. Simeone, A.M. Grimaldi, G. Ciliberto, M. Greco, E. Gulletta, F. Colucci, K. Karre, P.A. Ascierto, E. Carbone (Catanzaro - I, Naples - I, Stockholm - S, Cambridge - UK)
- 9.10 Autophagy, as survival machinery, is related to bortezomib-resistance in bone marrow fibroblasts from multiple myeloma patients
V. Desantis, L. Di Marzo, D. Vergara, M. Maffia, A. Vacca, M.A. Frassanito (Bari - I, Lecce - I)
- 9.20 Receptor-type tyrosine-protein phosphatase eta, a receptor protein tyrosine phosphatase with tumor suppressor activity, as a target for innovative anticancer therapies
S. D'Agostino (Catanzaro - I)
- 9.30 TiMi1 is a novel immune-checkpoint in solid tumors identified via a tumor-infiltrating lymphocyte (TIL)-based RNAi screening
T. Michels, C. Hartl, N. Khandelwal, M. Breinig, A. Sorrentino, C. Mäder, L. Umansky, I. Poschke, R. Offringa, M. Boutros, G. Eisenberg, M. Lotem, P. Bekchove (Heidelberg - D, Jerusalem - IL)
- 9.40 Structural modifications induced by the HIV-1 reverse transcriptase polymorphism at position 98 tightly modulate the viremia decay to Tenofovir and Emtricitabine
I. Romeo, G. Costa, A. Artese, L. Parrotta, S. Alcaro, C. Alteri, A. Bertoli, F. Ceccherini-Silberstein, V. Svicher, C.F. Perno, A. Antinori, A. Latini, A. D'Arminio Monforte (Catanzaro - I, Rome - I, Milan - I)
- 9.50 Involvement of notch signaling in multiple myeloma progression
I. Saltarella, A. Lamanuzzi, P. Leone, V. Racanelli, R. Ria, A. Vacca (Bari - I)
- 10.00 Identification of novel immune-checkpoint molecules on melanoma antigen-specific T cells using a high-throughput discovery platform
V. Volpin, T. Michels, M. Lotem, M. Slabicki, T. Zenz, N. Khandelwal, P. Beckhove (Heidelberg - D)



SCIENTIFIC PROGRAM

AULA MAGNA A - SATURDAY, 20 JUNE 2015

Members of the International Scientific Committee will chair the Scientific Sessions

- 9.00 **SESSION III**
10.40 **HARNESSING IMMUNITY TO PREVENT AND TREAT VIRAL,
AUTOIMMUNE AND TUMOR DISEASES** (*cont.*)
- 10.10 Unraveling the “immune-modulatome” of pancreatic adenocarcinoma
(PDAC): a RNAi screening with patient-derived tumor infiltrating lymphocytes
A. Sorrentino, T. Michels, A.N. Menevse, N. Khandelwal, M. Breinig,
I. Poschke, R. Offringa, M. Boutros, P. Beckhove (Heidelberg - D)
- 10.20 Interleukin-35 administration reverses established autoimmune type 1
diabetes by maintaining the regulatory T cell phenotype
K. Singh, E. Kadesjö, J. Lindroos, M. Hjört, M. Lundberg, D. Espes,
P.-O. Carlton, L. Thorvaldsson, S. Sandler (Uppsala - S)
- 10.30 Microvesicle-based-immunogens: implications on antigen cross-processing
and presentation by dendritic cells
F. Battisti, F. Castagna, P. Martufi, C. Napoletano, I.G. Zizzari, H. Rahimi,
M. Nuti, A. Rughetti (Rome - I)
- 10.40 Break
- 11.00 **Key Note Lecture**
12.00 The emerging role of HLA-E-restricted CD8+ T lymphocytes in the adaptive
immune response to *Mycobacterium tuberculosis*
Francesco Dieli - University of Palermo (Italy)
- 12.00 Round Table
13.00
- 13.00 Closing remarks

