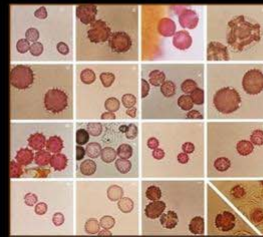




6th NATIONAL CONFERENCE

SIICA

ITALIAN SOCIETY
OF IMMUNOLOGY,
CLINICAL IMMUNOLOGY
AND ALLERGOLOGY



R o m e
June 11-14, 2008
Aula Magna,
Sapienza Università di Roma



ISTITUTO PASTEUR
FONDAZIONE CENCI BOLOGNETTI
LA RICERCA IN PERSONA



SAPIENZA
UNIVERSITÀ DI ROMA



SOCIÉTÉ SUISSE D'ALLERGOLOGIE ET D'IMMUNOLOGIE SSAI
SCHWEIZ. GESELLSCHAFT FÜR ALLERGOLOGIE UND IMMUNOLOGIE SSAI
SWISS SOCIETY FOR ALLERGOLOGY AND IMMUNOLOGY SSAI

SIICA

Società Italiana di
Immunologia,
Immunologia Clinica
e Allergologia

Wednesday, June 11

12:00 Participant Registration

14:30-16:30 Plenary Symposium 1

Novel mechanisms in antigen presentation
Chairs: V. Barnaba (I)/G. De Libero (CH)
S. Amigorena (F) - Antigen cross presentation by dendritic cells: control of phagosome maturation and acidification
G. De Libero (CH) - Presentation of lipid antigens by T lymphocytes
F. Cecconi (I) - Autophagy: a novel player in response and defense mechanisms
R. Nisini (I) - Mycobacteria exploit p38 signalling to affect CD1 expression and lipid antigen presentation by human DC
M. Videtta (I) - Cross-presentation of caspase-cleaved apoptotic self antigens in HIV infection

16:30 - 16:45 Interval

16:45-17:00 Opening Ceremony

Welcome from the Rector and Vice-Rector of Sapienza University

17:00 Opening Lecture: R. Zinkernagel (CH): "Immunology taught by Viruses"
Sponsored by Roche

18:00-19:30 Poster viewing and discussion

Poster sessions:

<p>Chairs: Locati M Limatola C</p> <p>Dendritic cells and leukocyte recruitment</p> <p>Buttari B, Straface E Campana L Campana L Coccia EM De Filippo A De Pizzol M Gonzalvo-Feo S Martinez de la Torre Y Ruiz M Salogni L Savino B Vezzoli M Viora M, Mattioli B Vulcano M</p>	<p>Chair: Colombo M</p> <p>Immunotherapy of cancer</p> <p>Casati C Cicatiello V Conforti A Di Bonito P Peruzzi D Ugel S, Peranzoni E</p>	<p>Chairs: Novelli F Mavilio D</p> <p>Innate and adoptive immune interactions</p> <p>Angelini G Barba M Ciaglia E Conti L De Lerma A Magnacca A Pontiroli F Ria F, De Rosa MC Salvi V Scottà C Soligo M Vitale S Vitali C Vultaggio A Th17: molecular, cellular and clinical aspects Maggi L</p>
<p>Chairs: Fallarino F Costantini C</p> <p>Regulation of inflammatory response</p> <p>Bastonini E Bossi F Chiocchetti A, Gattorno M Favilli F Gasparrini F Italiani P Loffredo S Maugeri N, Baldissera E Molfetta R Noonan DM Penna G Piccini A Rossato M Russo RC Scutera S Staiano RI Tavano R Totaro MG Veliz-Rodriguez T</p>	<p>Chairs: Pucillo C Pistoia V</p> <p>Leukocyte activation</p> <p>Bertoncelli L Bertoncelli L Brunetti C Cossarizza A Doria M Guglietta S Merluzzi S Nicolò C, Penitente R Parretta E Reali E Tarantino G Varriale S Viora M, Giordani L Zocchi MR Novel mechanisms in antigen presentation</p> <p>Bettua C Caivano A Leone P Zaccagnino P</p>	

Thursday, June 12

8:00-9:00 Tutorial 1 - BD Biosciences

A. Cossarizza: Identification of T cells during HIV infection and organ transplantation by polychromatic flow cytometry

9:00- 13:00 Plenary Symposium 2

Immunotherapy of Cancer: Translation of Knowledge - Istituto Superiore di Sanità - Alleanza Contro il Cancro	
Chairs: F. Belardelli (I) A. Amadori (I)	
9:05	<u>D. Speiser</u> (CH): Monitoring of CD8+ T cell responses after vaccination of melanoma patients: what have we learned so far?
	<u>M. Colombo</u> (I): Treg inhibition or depletion, what is better?
	<u>E. Proietti</u> (I): Chemo-immunotherapy in cancer patients: chemotherapeutic agents as adjuvants for enhancing a tumor-specific T cell response
	<u>P-L. Lollini</u> (I): Preventive and therapeutic potential of prophylactic cancer vaccines against spontaneous tumors
10:45-11:15 Interval	
11:15	<u>L. Pilla</u> (I): Protein- and Peptide-based therapeutic vaccines
	<u>G. Finocchiaro</u> (I): Dendritic cell-based strategies of immunotherapy against malignant glioma
	<u>J. de Vries</u> (NL): Detection of antigen-specific T cells after dendritic cell vaccination of cancer patients
	E. Nigro (I): IgE as adjuvant in anti-tumor vaccination
	S. Ugel (I): Immunosurveillance by telomerase-based vaccination

13:00-14:00 Lunch

14:00-15:00 Miltenyi Lecture: JJ Oppenheim (U.S.A.)
"Alarmins are rapidly released by cell injury or degranulation"

15:00-17:00

Simposio multidisciplinare: Dermatologia e Reumatologia <i>Sponsored by Wyeth</i>
Chairs: G. Girolomoni (I) S. Calvieri (I)

Workshop 1: Dendritic cells and Leukocyte Recruitment
Chairs: C. Limatola (I) - Activity of adenosine receptors type 1 is required for CX ₃ CL1-mediated neuroprotection and neuromodulation in hippocampal neurons M. Locati (I) - Balancing inflammation and antimicrobial resistance: the role of the chemokine decoy receptor D6

Speakers: 1. S. Sozzani (I): TNF e psoriasi: Immunità innata, difesa antimicrobica e patogenesi	A. Mancino (I) - Divergent Effects of Hypoxia on Dendritic Cell Functions
	M. Foti (I) - Dendritic cells: inflammatory signatures during microbial interactions
	E.M. Borroni (I) – Ligand-dependent optimization of chemokine decoy receptor D6 scavenger performance: a new adaptive mechanism allowing D6 to cope with tissue inflammation
	G. Sciumè (I) - Membrane-bound CX3CL1 expression inhibits glioma cell invasiveness. Regulation by TGF-beta
2. G. Girolomoni (I): Diversità dei farmaci anti-TNF-alfa	B. Buttari (I) - Free hemoglobin: a chemotactic stimulus for the innate immunity
3. G. Valesini (I): Switching tra biologici nella terapia delle malattie reumatiche	L. Bosurgi (I) - Outcomes of the cross-talk between macrophages and adult mesoangioblast stem cells: from macrophages polarization to mesoangioblast transdifferentiation
4. S. Calvieri (I): Patologie infiammatorie degli organi di barriera	

17:00-18:30 Parallel Workshops

<u>Workshop 2:</u> Tumor immunology I	<u>Workshop 3:</u> Leukocyte activation
Chairs: P. Nisticò (I) - Learning from the immune response of the patients A. Vacca (I) - "Mosaic" vessels in patients with multiple myeloma: role of inflammatory cells	Chairs: C. Pucillo (I) - A new immunoregulatory cell: $MC_{REG}?$ V. Pistoia (I) - Mesenchymal stem cells: new modulators of leukocyte activation
A. Castiglioni (I) - Preliminary evidences for recruitment of innate responses to rectal cancer cell death elicited by neo-adjuvant radio-chemo therapy	A. Ciabattini (I) - Primary activation of $CD4^+$ and $CD8^+$ T cells following mucosal vaccination with recombinant bacteria
G. Giordano (I) - Generation of a new Chimeric Antigen Receptor (CAR) to target CD23 expressed on Chronic Lymphocytic Leukemia (B-CLL) cells	L. Tuosto (I) - RelA/NF- κ B recruitment on the <i>Bax</i> gene promoter antagonizes p73-dependent apoptosis in costimulated T cells
M. Figini (I) - AFRA-DFM: a new completely human antibody fragment for ovarian cancer targeted radiotherapy	M. Paroli (I) - PD-1 contraregulates $CD4^+CD25^+Foxp3^+$ T regulatory cells by limiting STAT-5 phosphorylation
V. Frangione (I) - Tumor rejection and anti-tumor memory to neoplasias of different histotype genetically modified to express CIITA-driven autologous MHC class II genes. A new strategy of anti-tumor vaccination and tumor immunotherapy	F. Moalli (I) - Therapeutic potential of the humoral pattern recognition receptor PTX3 in chronic lung infection by <i>Pseudomonas aeruginosa</i>

18:30-20:00 Poster viewing and discussion

Poster sessions:

<p>Chairs: Nisticò P Vacca A</p> <p>Tumor immunology I Bracci L Camisaschi C Cesco-Gaspere M Croce M Galgani M Hess-Michelini R Manzo T Martini M Mazzocco M Orlandi C Porzia A Rosato A Rosato A Sartorius R Tomaino B Zamarchi R</p>	<p>Chairs: Airoidi I Bellone M</p> <p>Tumor immunology II Airoidi I Airoidi I Carrega P Cottone L Erreni M Ferrini S Germano G Hassan T Iero M La Rocca R Manzella L Morandi F Morandi F Moschella F Pucci S Rimoldi M Rubino L Soriani A</p>	<p>Chairs: Rovere-Querini P Fiorilli M</p> <p>Autoimmunity and regulation of immune response Betto E Bocca S Bonaccorsi I Camarca A Cappellano G Cervellini I Chiocchetti A D'Aiuto E De Martino S Di Mitri D Ferrera F Finetti F Guidi L La Scaleia R Laverny G Nicolò C, Sali M Paladini F Procaccini C Ria F, Penitente R Roat E Serafini B Tremolada S</p>
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Chair: Rubartelli A

**Effector cells and regulatory
molecules in allergy**

D'Urbano LE

Filì L

Rossi RE

Innate immunity

Bacci M

Bulla R

Deban L

D'Este F

Greco E

Maugeri N, Doni A

Prencipe G

Romano M

Sironi M

Tomasinsig S

Valentino S

Vitale M

Friday, June 13

8:00-9:00 Tutorial 2 - Panomics

K. Wilkens: Quantitative biology. From gene expression profiling to biomarker monitoring

9:00- 13:00 Plenary Symposium 3 - Joint Symposium- SIICA-SGAI

Th17: molecular, cellular and clinical aspects
Chairs: M.G. Uguccioni (CH)/S. Romagnani (I)
<u>F. Sallusto</u> (CH): Human inflammatory T _H 17 cells: phenotype and differentiation requirements
<u>F. Annunziato</u> (I): Human interleukin-17-producing cells: origin, phenotype and functional features
D. Boselli (I): Th17, but not Th1 cells, are expanded in peripheral blood of multiple sclerosis patients and are sensitive to type I IFN signaling
V. Santarlasci (I): Human interleukin-17-producing cells originate from a CD161+ CD4+ T-cell precursor
E. Dander (I): Interleukin-17-producing T cells: a new potential player mediating Graft versus Host Pathology in patients undergoing allogeneic stem cell transplantation
M. Pellettier (I): Characterization of the potential cross-talks between human phagocytes and Th17 cells
11:00-11:30 Interval
<u>A. Cavani</u> (I): IL-17 in immune-mediated skin diseases
<u>B. Becher</u> (CH): IL-17 in autoimmunity: guilty by association
<u>D.T. Golenbock</u> (U.S.A.): The basis of fever and proinflammatory cytokinemia in acute malaria

13:00 - 14:00 Lunch

14:00-16:30 Plenary Symposium 4 <i>with the contribution of Phadia</i> Effector cells and regulatory molecules in allergy -	14:00-15:30 Workshop 4 Innate and adaptive immune interactions
Chairs: P. Parronchi (I)/ W. Pichler (CH)	Chairs: F. Novelli (I) - Modulation of IFNs/STAT1 signaling pathway in tumor and autoimmunity D. Mavilio (I) - Lysis of endogenously infected CD4+ T cell blasts by autologous natural killer cells from HIV-infected viremic individuals

<p>Speakers 1. W. Pichler (CH): Bridging pharmacology with immunology: The p-i concept</p>	<p>R. Spreafico (I) - Intercellular mechanisms of DC-mediated NK cell migration and activation M. Spadaro (I) - Lactoferrin, a Major Defense Protein of Innate Immunity, is a Novel Maturation Factor for Human Dendritic Cells M. Ardolino (I) - Down-regulation of the activating receptor NKG2D by its ligands expressed on T lymphocytes: a new mechanism to limit CD8⁺ T cell immune responses E. Tonti (I) - iNKT cell adjuvant function for antibody responses to protein antigens is independent of cognate interactions with B cells and spleen</p>
<p>2. D. Simon (CH): Knocking down effector cells and cytokines in allergic diseases</p>	<p><u>15:30-17:00 Workshop 5</u> Tumor Immunology II</p>
<p>3. M. Triggiani (I): Modulation of receptors for mediators involved in allergic inflammation</p>	<p>I. Airoidi (I) - IL-12 superfamily cytokines in the control of tumor growth M. Bellone (I) - Dynamic interactions between a spontaneous mouse cancer and the immune system</p>
<p>4. P. Parronchi (I): Positive and negative networks for T_H2 polarizing programs</p>	<p>C. Porta (I) - p50 NF-κB overexpression in Tumor Associated Macrophages inhibits M1 inflammatory responses and antitumor resistance</p>
<p>5. F. Frosali (I): Human immature myeloid dendritic cells trigger a T_H2-polarizing program <i>via</i> Jagged-1/Notch interaction</p>	<p>V. Marin (I) - Expression of a chimeric T-cell receptor (CAR) specific for the CD33 antigen on Cytokine Induced Killer (CIK) cells radically improves their anti-leukemic activity</p>
<p>6. B. Frossi (I): CD4⁺CD25⁺ regulatory T cells suppress mast cell degranulation and allergic responses through OX40-OX40L interaction</p>	<p>A. Poggi (I) - Lymphoma stromal cells inhibit autologous lymphocyte activation and proliferation</p>
	<p>S. Piconese (I) - OX40 triggering inhibits Treg suppression and facilitates tumor rejection</p>

17:00 - 17:30 Interval

17:30-19:30 Prize Ceremony
SIICA General Assembly
Election of the Board

20:30 Social Dinner

Saturday, June 14

9:00 - 10:30 Parallel Workshops

<p style="text-align: center;">Workshop 6: Regulation of inflammatory response</p>	<p style="text-align: center;">Workshop 7: Autoimmunity and regulation of immune response</p>
<p>Chairs: F. Fallarino (I) - Supplemental synthetic tryptophan derivative corrects pathogenic inflammation in genetic deficiency of reactive oxygen species C. Costantini (I) - Cross-talks within the innate immune system: the role of neutrophils</p>	<p>Chairs: P. Rovere-Querini (I) -Tissue damage and innate immunity: tridimensional interactions among macrophages, dying cells and stem cells M. Fiorilli (I) - Lymphoproliferation and memory B cells in HCV infection</p>
<p>P. Larghi (I) - Role of p50 NF-κB in dendritic cells functions</p>	<p>D. Boraschi (I) - Innate cytokines and receptors in the pathogenesis of systemic lupus erythematosus</p>
<p>D. Lucchesi (I) - Are IL-1F7 and TIR8 involved in the regulation of the inflammatory response of human monocytes?</p>	<p>E. Boggio (I) - The role of TIMP-1 in the development of the autoimmune lymphoproliferative syndrome</p>
<p>N. Maugeri (I) - In vivo evidence for the clearance of activated platelets by neutrophils</p>	<p>M.T. Savino (I) - Systemic autoimmunity and impairment of immune response in Rai^{-/-} mice</p>
<p>R. Mesturini (I) - B7h costimulation induces caspase-1 activation and IL1β secretion in LPS-activated dendritic cells</p>	<p>F. Liotta (I) - TLR3 and TLR4 are expressed by human bone marrow-derived mesenchymal stem cells and can inhibit their T-cell regulatory activity by impairing Jagged-1/Notch pathway</p>

10:30 - 11:00 Interval

11:00 -13:30 Plenary Symposium 5 - Joint Symposium- SIICA-SGAI

Innate Immunity
<p>Chair: F. Sallusto (CH)/L. Moretta (I)</p>
<p>1. A. Lanzavecchia (CH) - TBD</p>
<p>2. V. Petrilli (CH) -The Inflammasome: a danger sensing complex triggering innate immunity</p>
<p>3. A. Moretta (I) - NK cells regulate T cell polarization</p>
<p>4. A. Mantovani (I) - Pentraxins at the interface between humoral and cellular innate immunity</p>
<p>5. A. Rubartelli (I): PAMPs, DAMPs and non-classical secretion of IL-1β and IL-18. A lesson from patients with NALP3 mutations</p>
<p>6. W. Held (CH) - "Self-recognition" by Natural Killer cells</p>

7. M. Severa (I) - The transcriptional repressor BLIMP-1 fine-tunes the innate immune response

8. N. Tamassia (I) - Activation of an immunoregulatory and antiviral gene expression program in poly(I:C)-transfected human neutrophils

SCIENTIFIC COMMITTEE

L. Adorini, V. Barnaba, M. Cassatella, M. Fiorilli, E. Piccolella, P. Parronchi, A. Santoni, G. Semenzato, S. Sozzani

LOCAL COMMITTEE

V. Barnaba, M. Fiorilli E. Piccolella, A. Santoni

VENUE: Aula Magna, Sapienza Università di Roma

Registration

No registration fee is due. **However, each participant must register**. The registration form can be found at <http://www.siica.it>. **Deadline May 11, 2008**

Accommodation:

Information are on the booking form **Deadline April 30, 2008**
Additional information can be found at <http://www.siica.it>

Official language: English (Italian for Satellite symposia)

ECM:

- 1) Lettura JJ Oppenheim + Simposio Dermatologia
 - 2) Congresso (esclusa Lettura JJ Oppenheim + Simposio Dermatologia): 15 Crediti
- Ulteriori informazioni sono disponibili sulla scheda di iscrizione.

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