



FRONTIERS IN IMMUNOLOGY RESEARCH NETWORK

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FRONTIERS IN IMMUNOLOGY RESEARCH 2014 INTERNATIONAL CONFERENCE

[<http://www.firnweb.com/FIRNCall2014.pdf>](http://www.firnweb.com/FIRNCall2014.pdf)

**FLORENCE, ITALY (July 1 – 4, 2014)
CROCE DI MALTA HOTEL**

[< http://www.crocedimaltaflorence.com/>](http://www.crocedimaltaflorence.com/)

[SUBJECT CATEGORIES \(scroll down\)](#)

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[SCHEDULE OF MEETINGS & ACTIVITIES \(scroll down\)](#)

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SUBJECT CATEGORIES

- Allergy and immunopathology
- Antigen presentation
- Autoimmunity
- B cells
- Cellular immunology
- Cytokines, chemokines, inflammation
- Dendritic cells
- Diabetes
- Imaging at the molecular, cellular or animal level
- Immune responses to infectious diseases
- Immunogenetics and gene discovery
- Immunotherapy
- Innate immunity
- In silico modelling
- Knockout and knock-in studies
- Lymphocyte activation and homing
- Lymphocyte differentiation and migration
- Mechanisms of cell death
- Molecular immunology
- Mucosal immunology SIG
- NK cells
- NKT and T regulatory cells
- Plasmon resonance
- Protein crystallography
- Science communication - BD award session
- Signal transduction
- Stem cells
- T cell biology
- The immune response to viral infections
- The MHC and its interactions
- Tolerance
- Transplantation
- Tumour immunology
- Vaccine development
- Veterinary immunology SIG

INSTRUCTIONS TO PROGRAM PARTICIPANTS

(a) ORAL PRESENTATIONS:

Session Time Allocations: Some sessions are 90 minutes long with three presenters; other sessions are 120 minutes long with four presenters; several are 45 minutes long with featured presenters. Each Presenter should take no more than 25 minutes (when three or four presenters) and no more than 40 minutes (when feature presenter); any remaining time should be devoted to questions from the audience.

Session Moderators: Assume overall responsibility for your session. Make an effort to contact the session participants before the meeting. Inform them that each presentation room will be equipped with flipchart and power point capability. Ask them if they have any special needs relating to their presentation and, in collaboration with the registration desk, try to satisfy those needs. Arrive at the session room 10 minutes in advance and make sure that it is in order and properly equipped. Welcome and introduce the participants. Start the session on time and adhere to the time schedule. Moderate the open discussion to the best of your ability.

Presenters: Stay within the allotted time of 25 (or 40) minutes even though it may not be enough! Be well prepared. Please do not just read your paper. Your presentation of main points, methods, and conclusions should lead to a fruitful discussion during and after the session. *Bring with you and make available five or more copies of your manuscript.* Every presentation room will be equipped with screens, flipcharts and power point capability (computer and projector). For Power Point presentations, please feel free to bring your own equipment and all necessary cables and transformers required by standards in Italy. *If the session's moderator is absent, the last presenter listed should take on the role of the moderator.*

(b) POSTER PRESENTATIONS:

- Displays and presentations have been scheduled to take place daily from 12:45 AM to 1:45 PM. Please search in the Program to find out when you present and be prepared to display prior to your presentation. After your presentation, please remove all materials that relate to your poster.
 - Posters should be prepared on heavy paper (preferably laminated), plastic, foam or other that can readily be displayed and not exceed 3ft x 4ft (36 x 48 inches). Please note that FIRN would not provide any construction materials for, or electricity to, the posters.
 - Posters should easily read from 2-3 feet away. Text should be limited to the core ideas and presented in a font size that allows one to read it with ease. Experienced poster presenters suggest 3-6 graphics to mix in with your text to make the posters more engaging. *Bring with you and make available five or more copies of your abstract and/or manuscript.*
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**Frontiers in immunology Research 2014 International Conference
Florence, Italy, Croce di Malta Hotel, July 1-4**

SCHEDULE OF MEETINGS & ACTIVITIES (subject to change) *

***All excursions at extra cost**

MONDAY, JUNE 30, 2014

**Pre-Conference Day-Long Excursion (recommended):
Cinque Terre**

Registration: 4 PM – 6 PM

Reception: 6 PM – 7 PM

(Let's all go for a walk! Croce di Malta Hotel, Ponte Vecchio, split up , return on your own)

TUESDAY, JULY 1, 2014

Registration: 8 AM – 2:30 PM

Sessions: 9 AM – 2:30 PM (see below)

**Half-Day Excursion - after sessions (recommended):
Fiesole & Piazzale Michelangelo**

WEDNESDAY, JULY 2, 2014

Registration: 8 AM – 2:30 PM

Sessions: 9 AM – 2:30 PM (see below)

**Half-Day Excursion - after sessions (recommended):
Lucca & Tuscany country side**

THURSDAY, JULY 3, 2014

Registration: 8 AM – 2:30 PM

Sessions: 9 AM – 2:30 PM (see below)

**Half-Day Excursion - after sessions (recommended):
Siena & Tuscany country side**

FRIDAY, JULY 4, 2014

**Post-Conference Day-long excursion (recommended):
San Gimignano & Tuscany country side**

SATURDAY, JULY 5, 2014

**Recommended Post-Conference Day-long excursion (recommended):
Pisa, Vinci & Tuscany country side**

**Frontiers in immunology Research 2014 International Conference
Florence, Italy, Croce di Malta Hotel, July 1-4**

2014 PROGRAM

Oral & Poster Sessions

Tuesday, July 1, 2014, 9:00 AM – 9:45 AM
Session [1]: Room

MODERATOR:

Borros Arneth

Institute of Clinical Chemistry and Laboratory Medicine
University Hospital Carl Gustav Carus
Technische Universität Dresden
Dresden, Germany

FEATURED TALK

On the recognition of self: the double sword

Yuri Sykulev

Department of Microbiology and Immunology
Kimmel Cancer Center, Thomas Jefferson University
Philadelphia, USA

Coffee Break

**Tuesday, July 1, 2014, 10:00 AM – 12:00 NOON
Session [2]: Room**

MODERATOR:

Eric Sebzda

Pathology, Microbiology, and Immunology
Vanderbilt University Medical Center
Nashville, TN 37232, USA

KLF2 is a therapeutic target for the generation of induced regulatory T cells

Eric Sebzda

Pathology, Microbiology, and Immunology
Vanderbilt University Medical Center
Nashville, TN 37232, USA

T-cell functions under acidic conditions

Hiroshi Kobayashi

Professor Emeritus
Graduate School of Pharmaceutical Sciences
Chiba University, Japan

Serum Circulating DNA as a biomarker in breast cancer patients

Mervat El Toukhy, Mohammed Abd El Rahman,
Neveen A. Hussein and **Salwa Nayer**

Department of Cancer Management and Research
Medical Research Institute
Alexandria University, Egypt

Helper T cell polarization promotes temporal inflammatory lymphangiogenesis

Sonia Elhadad

Memorial Sloan Kettering Cancer Center
New York, NY, USA

Tuesday, July 1, 2014, 12:00 NOON – 1:00 PM
Session [3]: Room

POSTERS

Recent developments in the structural and functional investigations of a lipopolysaccharide from *Coxiella burnetii*, the causative agent of Q fever

Rudolf Toman and Martina Frimmelova
Institute of Virology, Slovak Academy of Sciences
Dubravská cesta 9, 845 05 Bratislava, Slovakia

Mechanisms by which retinoic acid down-regulates IgE production

Goo-Young Seo and **Pyeong-Hyeun Kim**

Department of Molecular Bioscience, College of Biomedical Science
Kangwon National University
Chuncheon 200-701, Republic of Korea

Contribution of *Yersinia* lipopolysaccharide to murine collagen-induced arthritis

K. Kasperkiewicz¹, **A. Swierzko**², M. Cedzynski², J. Szemraj³, A. Kałuzynski⁴, M. Noszczyńska¹,
J. Barski⁵, A. Grajoszek⁵, M. Grabowska⁵, M. Skurnik⁶

¹Department of Microbiology, Faculty of Biology and Environmental Protection, University of Silesia, 28 Jagiellonska Street, PL-40-032 Katowice, Poland; ²Laboratory of Immunobiology of Infections, Institute of Medical Biology, Polish Academy of Sciences, 106 Lodowa Street, PL-93-232 Lodz, Poland; ³Department of Clinical Pathomorphology, Polish Mother's Memorial Hospital Research Institute, 281/289 Rzgowska Street, PL-93-338 Lodz, Poland; ⁴Department of Biochemistry, Medical University of Lodz, Mazowiecka 6/8 Street, PL-92-215 Lodz, Poland; ⁵Center for Experimental Medicine, Medykow 4 Street, Medical University of Silesia, PL-40-752 Katowice, Poland; ⁶Department of Bacteriology and Immunology, Haartman Institute, and Research Programs Unit, Immunobiology, University of Helsinki, 3 Haartmaninkatu, FIN-21 Helsinki, Finland

Malaria Parasitaemia and Cd4+ T-Cell Count in HIV Patients Attending

Olaniran Olarinde, Udoh Saturday Jack, Ogiogwa Iruobe Joseph

Tertiary Medical Center, Nigeria

Light Lunch (included in registration fee): 1:00 PM – 2:30 PM

Wednesday, July 2, 2014, 9:00 AM – 9:45 AM
Session [4]: Room

MODERATOR:

Mughis Uddin Ahmed

Professor, Consultant & Head of Microbiology & Serology
King Abdulaziz Hospital (NGHA) Al-Ahsa-KSA
Saudi Arabia

FEATURED TALK

The Role of Pellino-1 and Pellino-3b in TLR Signaling and Tolerance

Michael Murphy¹, Xiong Yanbao², and **Andrei E. Medvedev**¹

¹Department of Immunology, University of Connecticut
Health Center, Farmington, Connecticut, USA

²Department of Microbiology and Immunology,
University of Maryland School of Medicine, Baltimore, Maryland, USA

Coffee Break

**Wednesday, July 2, 2014, 10:00 AM – 12:00 NOON
Session [5]: Room**

MODERATOR:

Thomas Ve

School of Chemistry and Molecular Biosciences,
University of Queensland, Brisbane, Australia

Molecular basis of signaling by TIR domain containing proteins in TLR pathways

Thomas Ve, Mohammed Alaidarous¹, M. Obayed Ullah¹,
Matthew J. Sweet², Ashley Mansell³ and Bostjan Kobe^{1,2}

¹School of Chemistry and Molecular Biosciences,
University of Queensland, Brisbane, Australia

²Institute for Molecular Biosciences,
University of Queensland, Brisbane, Australia

³Centre for Innate Immunity and Infectious Diseases,
Monash Institute of Medical Research, Monash, Australia

**Mechanism of α 1-antitrypsin-mediated interleukin-1 receptor
antagonist expression involves unique distribution and
modification of the NF- κ B family member, p65**

Ronen Schuster, Omer Basha, Peleg Rider, Esti Yeger-Lotem and Eli C Lewis

Department of Clinical Biochemistry and Pharmacology
Faculty of health sciences, Ben-Gurion University of the Negev
Beer-Sheva, Israel

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Immune regulation mediated by soluble MHC-II targeting CD4+ T-cells

Bakela K.¹, Grigoriou M.¹, Gizeli E.^{1,2} and Athanassakis I¹

¹Dpt. of Biology, University of Crete, Heraklion, Crete, Greece

²Imbb, FORTH Heraklion, Crete, Greece

IL-17 Induce B cells Recruitment to the Bronchial Tissue During Asthma

Halwani, Rabih¹; Roaa Al Kufaidi¹; Pureza, Mary-Angeline¹; Hamid, Qutayba², Al Muhsen, Saleh¹

¹Asthma Research Chair and Prince Naif center for Immunology Research, College of Medicine and Department of Pediatrics, King Saud University, Riyadh, Saudi Arabia;

²Meakins-Christie Laboratories, McGill University, Montreal, Canada

Pharmacological translation of neuro-immuno modulation in sepsis

L Ulloa, Inclan-Rico JM, Morcillo P, Peña G & Torres-Rosas R.

Rutgers University
New Jersey Medical School
Rutgers University, USA

Wednesday, July 2, 2014, 12:00 NOON – 1:00 PM
Session [6]: Room

POSTERS

Mannan-binding lectin in patients with juvenile idiopathic arthritis.

K. Kasperkiewicz¹, M. Bartłomiejczyk², A. Swierzek², Z. Zuber³, M. Cedzynski²

¹Department of Microbiology, Faculty of Biology and
Environmental Protection, University of Silesia,
28 Jagiellońska Street, PL-40-032 Katowice, Poland;

²Laboratory of Immunobiology of Infections, Institute of Medical Biology,
Polish Academy of Sciences, 106 Lodowa Street, PL-93-232 Lodz, Poland;

³Department of Rheumatology, *St Louis Voivodship Specialist
Children's Hospital 2* Strzelecka Street, PL-31-503 Krakow, Poland;

Activability of T-Lymphocytes under Different Pathophysiological Conditions

Borros Arneth

Institute of Clinical Chemistry and Laboratory Medicine
University Hospital Carl Gustav Carus
Technische Universität Dresden, Germany

**Efficacy of prime-boost vaccination via parental and mucosal routes
against heterologous mucosal SHIV challenge**

Maria Grazia Ferrari¹, Ranajit Pal¹, Britany Bowen¹, DeVon Thompson¹, Lauren Hudacik¹, Eun Mi Lee¹,
Lindsey Galmin¹, Deborah Weiss⁴, Linda Wyatt², Pat Earl², George Lewis³,
Anthony Cristillo¹, Vaniambadi Kalyanaraman¹ and Thomas VanCott¹

¹Advanced BioScience Laboratories, Inc. Rockville, Maryland; ²NIAID, National Institutes of Health,
Bethesda, Maryland; ³University of Maryland, School of Medicine, Baltimore, Maryland; ⁴Bioqual, Inc.
Rockville, Maryland, USA

**Prostaglandin D2 suppresses inflammation by
activating Nrf2 via p62/SQSTM1**

Kyun Ha Kim & Myungsoo Joo

Division of Applied Medicine, School of Korean Medicine
Pusan National University
Yangsan 626-870, Korea

Light Lunch (included in registration fee): 1:00 PM – 2:30 PM

**Thursday, July 3, 2014, 9:00 AM – 9:45 AM
Session [7]: Room**

MODERATOR:

Yuri Sykulev

Department of Microbiology and Immunology
Kimmel Cancer Center, Thomas Jefferson University
Philadelphia, USA

FEATURED TALK

**A Comparison of Neurofilament, Neuron-Specific Enolase and S-100 as
Protein Markers for Neural Lesions in the Cerebrospinal Fluid of
Patients with Multiple Sclerosis**

Borros Arneth¹
and
Tjalf Ziemssen²

¹Institute of Clinical Chemistry, ²Clinic of Neurology, MS Centre
Carl Gustav Carus University Hospital at the TU- Dresden
Dresden, Germany

Coffee Break

**Thursday, July 3, 2014, 10:00 AM – 12:00 NOON
Session [8]: Room**

MODERATOR:

Mughis Uddin Ahmed

Professor, Consultant & Head of Microbiology & Serology
King Abdulaziz Hospital (NGHA) Al-Ahsa-KSA
Saudi Arabia

**Multi-Drug Resistant (MDR) Acinetobacter baumannii at
our hospital in Eastern Region of Saudi Arabia**

Mughis Uddin Ahmed

Professor, Consultant & Head of Microbiology & Serology
King Abdulaziz Hospital (NGHA) Al-Ahsa-KSA
Saudi Arabia

Tumor Growth Inhibition by Mushrooms through the Modulation of the Immune System

Gabriela Riscuta

National Cancer Institute
Bethesda, USA

Industrial pollution and human health: Biochemical and immunological deregulations

Laila Hamdy El Sayed & Salwa Nayer

Emertius Professor of Immunology
Medical Research Institute - Alexandria University
165 El-Horreya Sreet, Hadara, Alexandria, Egypt

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LCR haplotypes in the promoter region of HLA-G gene associated with protector and susceptibility effect in women with cervical intraepithelial neoplasias (NIC).

Juliana Cocheski Cordeiro, Jose Samuel da Silva, **Maria da Graça Bicalho**¹

¹Laboratório de Imunogenética e Histocompatibilidade, Departamento de Genética
Universidade Federal do Paraná.CEP 81 530-990 CP 19071
Curitiba, Paraná, Brazil

EP antagonism prevents T-cell mediated inflammation in a mouse model of arthritis.

Vinatha Sreeramkumar^{1,2}, David Sancho², Manuel Fresno¹ and **Natalia Cuesta**^{1,3}

¹Centre for Molecular Biology Severo Ochoa, Universidad Autónoma de Madrid-CSIC, Nicolás Cabrera 1, 28049 Madrid, Spain; ²Spanish National Centre for Cardiovascular Research "Carlos III", CNIC, Melchor Fdez Almagro 3, 28029 Madrid; ³Current address: Universidad Europea de Madrid, Villaviciosa de Odón, 28670 Madrid, Spain

Thursday, July 3, 2014, 12:00 NOON – 1:00 PM
Session [9]: Room

POSTERS

**Modulatory effect of H-ficolin on LPS-dependent NF-KB pathway
activation via TLR4/MD2/CD14 complex.**

M. Michalski^{1,2}, **A. S. Swierzko**¹, A. Man-Kupisinska³, J. Lukasiewicz³, K. Kasperkiewicz⁴, M. Cedzynski¹

¹Institute of Medical Biology, Polish Academy of Sciences, Lodowa 106, PL-93-232, Lodz, Poland; ²Institute of Microbiology, Immunology and Biotechnology, University of Lodz, Banacha 12/16, PL-90-237, Lodz, Poland; ³Ludwik Hirsfeld Institute of Immunology and Experimental Therapy, Polish Academy of Sciences, Weigla 12, PL-53-114 Wroclaw, Poland; ⁴Department of Microbiology, University of Silesia, Jagiellonska 28, PL-40-032 Katowice, Poland

**HIS, a novel melatonin derivative, exhibited potent anti-inflammatory
properties via TRIF-dependent signaling**

Do-Wan Shim¹, Hee Jae Shin², **Ji-Won Han**¹, Tae-Bong Kang¹, and **Kwang-Ho Lee**¹

¹Department of biotechnology, College of Biomedical & Health Science,
Research Institute of Inflammatory Diseases(RID), Konkuk University, 380-701 Chungju, Korea
²Marine Natural Products Chemistry Laboratory,
Korea Institute of Ocean Science & Technology, Ansan, Korea

**Cytotoxic effect of corticosteroids on normal CD34+ hematopoietic progenitors
purified from human peripheral blood and reversal with cytokines**

Serap Erdem Kuruca¹, Muzaffer Beyza Çetin¹, Kadriye Akgün Dar², Ebru Gürel²,

¹Department of Physiology, Istanbul University Istanbul Faculty of Medicine, Istanbul, Turkey
²Department of Biology, Istanbul University Faculty of Science, Istanbul, Turkey

Light Lunch (included in registration fee): 1:00 PM – 2:30 PM

OBSERVERS:

Eileen Jea Chien

Professor of Physiology
National Yang-Ming University
Shih-Pai, Taipei, Taiwan
Republic of China

Kebin Liu

Georgia Regents University
Augusta, GA
USA

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Milos Gregus

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Demetri Kantarelis

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Worcester, MA 01609
USA

Rangsini Mahanonda

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Chulalongkorn University
Henry Dunant Rd
Bangkok 10330
Thailand

The End!

See you all next year during the
8th International Conference of the **F**rontiers in
Immunology **R**esearch **N**etwork, July 1-4, 2015,
Grande Real Santa Eulalia Resort & Spa
Albufeira / Algarve, Portugal!

