



FRONTIERS IN IMMUNOLOGY RESEARCH NETWORK

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FRONTIERS IN IMMUNOLOGY RESEARCH 2015 INTERNATIONAL CONFERENCE

ALBUFEIRA / ALGARVE, PORTUGAL (July 1 – 4, 2015)
Grande Real Santa Eulalia Resort & Hotel Spa

SUBJECT CATEGORIES (scroll down)

SCHEDULE OF MEETINGS & ACTIVITIES (scroll down)

INSTRUCTIONS TO PROGRAM PARTICIPANTS (scroll down)

PROGRAM, PRESENTATIONS, OBSERVERS (scroll down)

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

**Frontiers in immunology Research 2015 International Conference
Albufeira / Algarve, Portugal, Grande Real Santa Eulalia Resort & Hotel Spa, July 1-4**

SCHEDULE OF MEETINGS & ACTIVITIES (subject to change) *

***All excursions at extra cost**

Tuesday, JUNE 30, 2015

Recommended Pre-Conference Day-Long Excursion (Seville - Spain)

Registration: 5 PM – 6 PM

Welcome Reception with refreshments: 6 PM – 7 PM

Wednesday, JULY 1, 2015

Registration: 9 AM – 2 PM

Sessions: 9:30 AM – 2 PM

Recommended Half-Day Excursion - after sessions (Albufeira town)

Thursday, JULY 2, 2015

Registration: 8:30 AM – 2 PM

Sessions: 9 AM – 2 PM

Recommended Half-Day Excursion - after sessions (Lagos, Sagres, Cabo Sao Vicente)

Friday, JULY 3, 2015

Registration: 8:30 AM – 2 PM

Sessions: 9 AM – 2 PM

Recommended Half-Day Excursion - after sessions (Silves & Monchique)

Saturday, JULY 4, 2015

Recommended Post-Conference Day-long Excursion (Caves & Dolphin Cruise or visit Lisbon)

INSTRUCTIONS TO PROGRAM PARTICIPANTS

(a) ORAL PRESENTATIONS:

Session Time Allocations: Most sessions are 90 minutes long each with three presenters; many sessions are 60 minutes long each with a featured presenter; some sessions are 60 minutes long set up as thematic brainstorming roundtables (details below).

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: Each non-featured presenter should take no more than 30 minutes and each featured presenter no more than 45 minutes; any remaining time should be devoted to questions from the audience. Stay within the allotted time of 30 (or 45) 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 Portugal. *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 Noon to 1 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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8th Frontiers in immunology Research 2015 International Conference
Albufeira / Algarve, Portugal, Grande Real Santa Eulalia Resort & Spa Hotel, July 1-4

2015 PROGRAM

Oral & Poster Sessions

Tuesday, June 30, 2015

Recommended Pre-Conference Day-Long Excursion (Seville - Spain)

Registration: 5 PM – 6 PM

Welcome Reception with refreshments: 6 PM – 7 PM

Wednesday, July 1, 2015, 9:30 AM – 10:00 AM
Session [1]: FIRN Conference Room

MODERATOR:

Borros Arneth

Hesse Child Health Centre, Johann Wolfgang Goethe University Hospital, Giessen, Germany
Institute of Laboratory Medicine and Pathobiochemistry,
Hospital of the Universities of Giessen and Marburg, Marburg, Germany

FEATURED TALK

Human proximal tubular epithelial cells; their role in immune-modulation and the disease process

Ray Wilkinson^{1,2,3}, Andrew Kassianos¹, Xiangju Wang¹,
Sandeep Sampangi^{1,2} and Helen Healy¹

¹Conjoint Kidney Research Laboratory, Department of Renal Medicine, Royal Brisbane and Women's Hospital, Brisbane, Australia; ²Institute of Health and Biomedical Innovation, Queensland University of Technology, Brisbane, Australia, ³Medical School, University of Queensland, Brisbane, Australia

Coffee Break

**Wednesday, July 1, 2015, 11:00 AM – 12:00 Noon
Session [2]: FIRN Conference Room**

MODERATOR:

Borros Arneth

Hesse Child Health Centre, Johann Wolfgang Goethe University Hospital, Giessen, Germany
Institute of Laboratory Medicine and Pathobiochemistry,
Hospital of the Universities of Giessen and Marburg, Marburg, Germany

Glycosylation Confers Ant-inflammatory Activity to Aesculin

Diagnosis of experimental sheep fasciolosis using circulating antigen and IgG ELISA

Eman E.El-Shanawany* and Faten A.M. Abo Aziza

Department of Parasitology and Animal Diseases,
National Research Center, Giza, Egypt.

T cell immune response of mice immunized against plague

Firstova Victoria Valerievna
Kalmantaeva Olga Valerievna
Ivanov Sergey Andreevich
Dentovskaya Svetlana Vladimirovna
S. V. Anisimov
Ivan A. Dyatlov

State Research Center for Applied Microbiology & Biotechnology,
Obolensk, Russia; SRCAMB, Obolensk, Serpukhov dist., Moscow reg, Russia.

Light Lunch (included in registration fee): 12:00 Noon – 1:00 PM

Wednesday, July 1, 2015, 1:00 PM – 2:00 PM
Session [3]: FIRN Conference Room

ROUNDTABLE BRAINSTORMING SESSION OPEN TO ALL

Theme:

All about Vaccines

Recommended reference:

Slifka, M.K., Amanna, I., “How advances in immunology provide insight into improving vaccine efficacy”,
Vaccine. 2014 May 23;32(25):2948-57. doi: 10.1016/j.vaccine.2014.03.078. Epub 2014 Apr 5

MODERATOR:

Firstova Victoria Valerievna

ROUNDTABLE PARTICIPANTS (in alphabetical order):

Borros Arneth

Ivan A. Dyatlov

Eman E.El-Shanawany

Ray Wilkinson

Thursday, July 2, 2015, 9:00 AM – 10:00 AM
Session [4]: FIRN Conference Room

MODERATOR:

Gabriela Riscuta

Program Director
Nutritional Science Research Group
Division of Cancer Prevention
National Cancer Institute
9609 Medical Center Drive 5E568
Bethesda MD 20892, USA

FEATURED TALK

From CARs to CARTregs: Engineered Antigen-specific Human Regulatory T cells

David W. Scott

Department of Medicine
Uniformed Services University of the Health Sciences,
Bethesda, MD, USA

Coffee Break

Thursday, July 2, 2015, 10:30 AM – 12:00 Noon
Session [5]: FIRN Conference Room

MODERATOR:

Myungsoo Joo

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

Bioelectronic Immunology and Neuromodulation of the immune system.

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

Rutgers University-New Jersey Medical School. NJ 07103.

**T-Cell Receptor Excision Circles (TRECs) as a Screening Tool for
Severe Combined Immunodeficiency (SCID) in Newborns**

B Arneth, J Lange, J Kreuder, and H Renz

Hesse Child Health Centre, Johann Wolfgang Goethe University Hospital, Giessen, Germany
Institute of Laboratory Medicine and Pathobiochemistry,
Hospital of the Universities of Giessen and Marburg, Marburg, Germany

Colonization of Preterm Gnotobiotic Piglets with Probiotic Bacteria

Alla Splichalova, Igor Splichal, Vera Slavikova

Institute of Microbiology of the CAS, Novy Hradek, Czech Republic

Light Lunch (included in registration fee): 12:00 Noon – 1:00 PM

Thursday, July 2, 2015, 12:00 Noon – 1:00 PM
Session [6]: FIRN Conference Lunch Room

POSTERS

T cell immune response of mice immunized against plague

Firstova Victoria Valerievna
Kalmantaeva Olga Valerievna
Ivanov Sergey Andreevich
Dentovskaya Svetlana Vladimirovna

State Research Center for Applied Microbiology & Biotechnology,
Obolensk, Russia; SRCAMB, Obolensk, Serpukhov dist., Moscow reg, Russia.

**Increase of plasmacytoid dendritic cells expressing suppressive molecules in peripheral
blood and cerebrospinal fluid of multiple sclerosis patients treated with Natalizumab**

Leonilda M.B. Santos¹ Alliny C. Dionete¹, Adriel S. Moraes ¹, Marilia D. Andrade¹, Vinicius O. Boldrini¹
Paula G. Russini¹, Ana Leda F Longhini¹, Carlos O. Brandão^{1,2}, Rafael P. Dias Carneiro¹⁻³, Benito P.
Damasceno², Alfredo Damasceno², Fernando Pradella¹ Alessandro S. Farias¹,
Charles P. Tilbery³, and Felipe von Glehn^{1,2}

1. Neuroimmunology Unit, Institute of Biology, 2. Dept of Neurology, Medical School, University of
Campinas, UNICAMP and 3. Center for Multiple Sclerosis (CATEM), São Paulo, SP Brasil

Thursday, July 2, 2015, 1:00 PM – 2:00 PM
Session [7]: FIRN Conference Room

ROUNDTABLE BRAINSTORMING SESSION OPEN TO ALL

Theme:

Autoimmune Disorders

Recommended reference:
Autoimmune Diseases, National Institute of Allergy and Infectious Diseases

MODERATOR:

David W. Scott

Department of Medicine
Uniformed Services University of the Health Sciences,
Bethesda, MD, USA

ROUNDTABLE PARTICIPANTS (in alphabetical order):

Borros Arneth

Myungsoo Joo

Leonilda M.B. Santos

Igor Splichal

Alla Splichalova

Friday, July 3, 2015, 9:00 AM – 10:30 AM
Session [8]: FIRN Conference Room

FEATURED PANEL
Dietary Modulation of the Immune Response in Disease Risk and Prevention

PANEL ORGANIZER & MODERATOR:

Gabriela Riscuta

Program Director
Nutritional Science Research Group
Division of Cancer Prevention
National Cancer Institute
9609 Medical Center Drive 5E568
Bethesda MD 20892, USA

Cancer Prevention through Immunomodulation: the Role of Diet

Gabriela Riscuta

Program Director
Nutritional Science Research Group
Division of Cancer Prevention
National Cancer Institute
9609 Medical Center Drive 5E568
Bethesda MD 20892, USA

Health Benefits induced by nutritional modulation of microbiota

Gloria Solano-Aguilar

Research Scientist
Diet Genomics and Immunology Laboratory
Beltsville Human Nutrition Research Center
10300 Baltimore Ave, BARC-E,
Bldg 307C, rm 225
Beltsville, MD 20705

Coffee Break

Friday, July 3, 2015, 11:00 AM – 12:00 Noon
Session [9]: FIRN Conference Room

MODERATOR:

L. Ulloa

Rutgers University-New Jersey Medical School
NJ 07103, USA

**Comparison of the Protective Effects of *L. Amylovorus*, *L. Mucosae* and
E. Coli Nissle 1917 Against *S. Typhimurium* In Gnotobiotic Piglets**

Igor Splichal¹, Alla Splichalova¹, Vera Slavikova¹, Vojtech Rada², Sharon M. Donovan³

¹Laboratory of Gnotobiology, Institute of Microbiology,
Czech Academy of Sciences, Novy Hradek, Czech Republic,

²Department of Microbiology, Nutrition and Dietetics, Faculty of Agrobiology, Food
and Natural Resources, Czech University of Life Sciences Prague, Prague, Czech Republic,

³Department of Food Science & Human Nutrition, University of Illinois at
Urbana-Champaign, Urbana, IL, USA.

Glycosylation Confers Ant-inflammatory Activity to Aesculin

Ji-Yeon Lee¹, Kyun Ha Kim¹, Hyunsu Park², Hee Jin Park², Jaeho Cha², and **Myungsoo Joo^{1*}**

¹ School of Korean Medicine, Pusan Natonal University, Yangsan 626-870, Korea

² Department of Microbiology, Pusan National University, Busan 609-735, Korea

Light Lunch (included in registration fee): 12:00 Noon – 1:00 PM

Friday, July 3, 2015, 1:00 PM – 2:00 PM
Session [10]: FIRN Conference Room

ROUNDTABLE BRAINSTORMING SESSION OPEN TO ALL

Theme:

Immunology Research Frontiers

Recommended reference:
Research Frontiers, National Institute of Allergy and Infectious Diseases

MODERATOR:

L. Ulloa

Rutgers University-New Jersey Medical School
NJ 07103, USA

ROUNDTABLE PARTICIPANTS (in alphabetical order):

Borros Arneth

Ivan A. Dyatlov

Gabriela Riscuta

David W. Scott

Igor Splichal

Alla Splichalova

Firstova Victoria Valerievna

OBSERVERS:

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Rangsini Mahanonda

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Thailand

Arun Mensinkai

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Canada

The End!

**See you all next year during the
9th International Conference of the Frontiers
in Immunology Research Network**

July 1-4, 2016

Ljubljana, Slovenia, Grand Hotel Union!

Deadline for abstract submission: March 30th, 2016

