



FRONTIERS IN IMMUNOLOGY RESEARCH NETWORK

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FRONTIERS IN IMMUNOLOGY RESEARCH 2009 INTERNATIONAL CONFERENCE

< <http://www.firnweb.com/FIRNCall097.pdf> >

HAWAII-KONA, USA (July 22-26, 2009) Sheraton Hotel

<<http://www.sheratonkeauhou.com/>>

SUBJECT CATEGORIES

SCHEDULE OF MEETINGS & ACTIVITIES

INSTRUCTIONS TO PROGRAM PARTICIPANTS

PROGRAM & OBSERVERS

SUBJECT CATEGORIES

- Allergy and immunopathology
- Antigen presentation
- Autoimmunity
- B cells
- Cellular immunology
- Cytokines, chemokines, inflammation
- Dendritic cells
- Diabetes
- Imaging at the molecular, cellular or whole 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

SCHEDULE OF MEETINGS & ACTIVITIES

TUESDAY, JULY 21, 2009

Planned Excursion (subject to minimum quota):

Pre-Conference Daylong Excursion Hilo / Hamakua / Falls (Akaka, Rainbow), 9AM – 5 PM, \$80.

Registration: 4 PM – 7 PM.

Orientation: 6:15 PM – 6:45 PM.

Planned Activity: Reception: 7 PM – 8 PM.

WEDNESDAY, JULY 22, 2009

Registration: 8:00 AM – 3:00 PM.

Concurrent Sessions: 9:00 AM – 11:00 AM.

Featured Speaker: 11:15 AM – 12:00 NOON.

Poster Sessions & Nutritional / Coffee Break: 12:00 NOON – 3:00 PM.

Planned Excursion (subject to minimum quota):

Evening Excursion: Hapuna Beach / Waikoloa (shopping area), 4 PM – 9 PM, \$45.

THURSDAY, JULY 23, 2009

Registration: 8:00 AM – 3:00 PM.

Concurrent Sessions: 9:00 AM – 11:00 AM.

Featured Speakers: 11:15 AM – 12:00 NOON, 12:15 PM – 1:00 PM

Poster Sessions & Nutritional / Coffee Break: 1:00 PM – 3:30 PM.

Planned Excursion (subject to minimum quota):

Evening Excursion: Lua'u Show, 4 PM – 9 PM, \$85.

FRIDAY, JULY 24, 2009

***International Journal of Immunological Studies*, Editorial Board “Breakfast” Meeting: 7:30 AM – 8:15 AM.**

Registration: 7:30 AM – 11:30 AM.

Concurrent Sessions: 8:30 AM – 10:30 AM.

Featured Speaker: 10:45 AM – 11:30 AM.

Planned Excursion (subject to minimum quota):

Daylong Excursion: Volcanoes – Kilauea & Macadamia Nuts Farm, 11:45 AM – 8 or 9 PM, \$95.

SATURDAY, JULY 25, 2009

Registration: 8:00 AM – 3:00 PM.

Concurrent Sessions: 9:00 AM – 11:00 AM.

Featured Speaker: 11:15 AM – 12:00 NOON.

Poster Sessions & Nutritional / Coffee Break: 12:00 NOON – 3:00 PM.

No Planned Excursion

SUNDAY, JULY 26, 2009

Registration: 8:00 AM – 11:00 AM.

Concurrent Sessions: 9:00 AM – 11:00 AM.

Planned Excursion (subject to minimum quota):

Evening Excursion: **Keauhou Area, Puuhonua Park, 2:30 PM – 7:30 PM, \$45.**

MONDAY, JULY 27, 2009

Planned Excursion (subject to minimum quota):

Post-Conference Daylong Excursion: **Grand Circle Island Tour / Kailua – Kona, 9 AM – 6 PM, \$80.**

TUESDAY (JULY 28) TO MONDAY (AUGUST 3), 2009

Planned Excursion (subject to minimum quota):

Post-Conference Weeklong Excursion: **Oahu, Maui, Kauai; \$2000.**

INSTRUCTIONS TO PROGRAM PARTICIPANTS

(a) ORAL PRESENTATIONS:

Session Time Allocations: Most 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 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 an overhead projector, 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 ten or more copies of your manuscript.* Every presentation room will be equipped with overhead projectors, 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 Hawaii, USA. *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 on Wednesday (July 22), Thursday (July 23) and Saturday (July 25) from 1:30 PM to 3:00 PM. Please search in the Program to find out when you present and be prepared to display by 12:30 PM of the day of 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 ten or more copies of your abstract and/or manuscript.*

PROGRAM

**Wednesday, July 22, 2009, 9:00 AM – 11:00 AM
Session [1], Room Mauna Loa**

MODERATOR: Arthur Vandenberg

Immunoregulatory and Neuroprotective Effect of Sex Steroids on EAE and MS

Halina Offner^{1,2}

¹Departments of Neurology and Anesthesiology & Perioperative Medicine,
Oregon Health & Science University, Portland, OR, USA

²Neuroimmunology Research, Portland VA Medical Center, Portland, OR, USA
<halinaoff@aol.com>

Sequence polymorphism in the human TCR loci and its influence on herpesvirus immunity

R. M. Brennan^{1,2}, S. R. Burrows¹

¹Cellular Immunology Laboratory, Queensland Institute of Medical Research, Brisbane, QLD, Australia

²School of Medicine, University of Queensland, Brisbane, QLD, Australia
<Rebekah.Brennan@qimr.edu.au>

Tools for studying the immune system during the acute phase of Infection in nonhuman primate models

Luis D. Giavedoni, M. Shannon Keckler, Laura M. Parodi, and Vida L. Hodara

Department of Virology and Immunology, Southwest Foundation for
Biomedical Research, San Antonio, TX, 78249, USA
<lgavedoni@sfbr.org>

The role of tetraspanins in antigen presentation to CD4+ T cells via exosomes

Sven Petersen, G. Taylor, A. B. Rickinson, F. Berditchevski
School of Cancer Sciences CRUK, University of Birmingham, UK
<SHP668@bham.ac.uk>

**Wednesday, July 22, 2009, 11:15 AM – 12:00 Noon
Session [2], Room Mauna Kea**

MODERATOR: Thomas Kleen

FEATURED TALK

Female reproductive choice, MHC antigens, and interacting receptors

Andreas Ziegler, Pablo Sandro Carvalho Santos,
Thomas Kellermann, Barbara Uchanska-Ziegler

Institut für Immungenetik, Charité-Universitätsmedizin Berlin,
Freie Universität Berlin, Berlin, Germany
<andreas.ziegler@charite.de>

NUTRITIONAL / COFFEE BREAK 12:00 Noon – 1:30 PM

Wednesday, July 22, 2009, (1:30 PM – 3:00 PM)
Session [3], Room Hualalai

POSTERS (1:30 PM – 3:00 PM)

**IFN- γ production by IL-12 plus IL-18 activated human peripheral blood
T cells in an antigen independent manner**

Rachel B. Munk, Katsuki Sugiyama, Carl Y. Sasaki,
Louis Rezanka, Dan L. Longo, and **Paritosh Ghosh**

Lymphocyte Cell Biology Unit, Laboratory of Immunology, Biomedical Research
Center, National Institute on Aging, National Institutes of Health, USA
“Paritosh Ghosh” <GhoshP@grc.nia.nih.gov>

**MUC1 Mucin: T cell activation molecule with potential
immunoregulatory role**

Babita Agrawal and Jeffrey Konowalchuk

Associate Professor and Alberta Heritage Foundation for Medical
Research Senior Scholar, Department of Surgery, Faculty of Medicine and
Dentistry, 720-HMRC, University of Alberta, Edmonton, AB, T6G 2S2, CANADA
<bagrawal@ualberta.ca>

**Regulation of immuno-pathological response in mouse lungs by
TGF- β 1 after influenza a virus infection**

M. Khanna*, V. Srivastava, V. Vijayan, R. Kulshrestha
VP Vhest Institute, University of Delhi, Delhi India
<madhukhanna@hotmail.com>

Biocompatibility of gold nanoparticles prepared by ultrasonic spray pyrolysis from gold scrap

Rebeka Rudolf¹, Miodrag Colic², Bernd Friedrich³, Srecko Stopic³, Ivan Anžel²

¹ University of Maribor, Faculty of Mechanical Engineering, Slovenia

² Military Medical Academy, Belgrade, Serbia

³ RWTH Aachen University, IME Process Metallurgy and Metal Recycling, Germany
<rebeka.rudolf@uni-mb.si>

Session [3] continued:

The Generation of Immortalized Human B-Lymphocytes Secreting Monoclonal Antibodies with Neutralizing Activity for Dengue Virus

Evelyn Teoh Ee Ping*, Teo En Wei*, Joey Xu Meihui#,
Wouter Schul[^], David Coomber# and Paul A. MacAry*.

*Immunology Program and Department of Microbiology, The Yong Loo Lin School of Medicine,
National University of Singapore, #Experimental Therapeutics Centre A*Star Singapore.

[^]Novatis Institute of Tropical Diseases Singapore.
“Teoh Ee Ping, Evelyn” <g0600784@nus.edu.sg>

The Erk1/2 MAPK pathway plays a critical role in cadmium-induced production of the pro-inflammatory cytokine IL-8 in human airway epithelial cells

Kalyn Jolivette, Jessica Rennolds, Payal Mehta,
Susheela Tridandapani, and **Estelle Cormet-Boyaka**

Division of Pulmonary, Allergy, Critical Care and Sleep Medicine,
The Ohio State University, Columbus, OH 43201, USA
<estelle.boyaka@osumc.edu>

Thursday, July 23, 2009, 9:00 AM – 11:00 AM
Session [4], Room Mauna Loa

MODERATOR: Borros Arneth

**Isolation of murine intrahepatic immune cells employing a modified procedure
for mechanical disruption and functional characterization
of the B, T and natural killer T (NKT) cells obtained**

***Mousumi R. Qazi**, Kim G. Blom, *José BN. Matos, *Buck D. Nelson,
*Joseph W. DePierre, *Manuchehr A-Valuggerdi,

*Department of Biochemistry and Biophysics, Arrhenius Laboratories for the Natural Sciences,
Stockholm University, SE-106 91 Stockholm, Sweden. <mou15@dbb.su.se>

**Exceptional dynamics of an HLA-B*2705-bound self-peptide revealed
by X-ray crystallography**

P. Kumar¹, A. Vahedi-Faridi², J. A. López de Castro³, W. Saenger²,
A. Ziegler¹, and **B. Uchanska-Ziegler**^{1*}

¹Institut für Immungenetik, Charité-Universitätsmedizin Berlin, Berlin, Germany;

²Institut für Kristallographie, Freie Universität Berlin, Berlin, Germany;

³Centro de Biología Molecular Severo Ochoa, Universidad Autónoma de Madrid, Madrid, Spain

**Endotoxin tolerance reprograms TLR4 signaling pathways and increases
expression of negative regulators of TLR signaling**

Wenji Piao¹, Chang Song¹, Marco Quevedo Diaz¹,
Larry M. Wahl², and **Andrei E Medvedev**¹

¹Department of Microbiology and Immunology, University of Maryland School of Medicine,
Baltimore, Maryland, and ²NIDCR/NIH, Bethesda, Maryland, USA
<medvedevandrei@yahoo.com>

FAS-dependent trimming of auto-cross-reactive antibody

Nobukata Shinohara, Yukiko Matsuno, Emiko Takeuchi, Yuka,
Tsukagoshi, Koji Eshima

Department of Immunology, Kitasato University School
of Medicine, Kanagawa, Japan. <nobu@med.kitasato-u.ac.jp>

**Thursday, July 23, 2009, 11:15 AM – 12:00 Noon
Session [5], Room Mauna Kea**

MODERATOR: Andreas Ziegler

FEATURED TALK

Feasibility of Monitoring Cell Mediated Immunity during Vaccine Trials

Thomas Kleen

Co-Founding Scientist
Director, Business and Technology Development
Cellular Technology Limited
20521 Chagrin Boulevard
Shaker Heights, OH 44122, USA
<thomas.kleen@immunospot.com>

Thursday, July 23, 2009, 12:15 PM – 1:00 PM
Session [6], Room Mauna Loa

MODERATOR: Andreas Ziegler

INVITED TALK

Creating an Immunology Startup Company

Jessica Baker Flechtner

Senior Director, Research & Development
Genocea Biosciences, Inc.
161 1st Street, Suite 2C, Cambridge, MA 02142, USA
(617) 876-8191 x203 (p), (978) 793-1936 (m), (617) 876-8192 (f)
<Jessica.Flechtner@genocea.com>, <www.genocea.com>

NUTRITIONAL / COFFEE BREAK 1:00 PM – 2:00 PM

Thursday, July 23, 2009, (2:00 PM – 3:30 PM)
Session [7], Room Hualalai

POSTERS (2:00 PM – 3:30 PM)

**Metalexyl fungicide induced oxidative stress and apoptosis
in mouse thymus: The effect of antox**

Saber A. Sakr¹ and Hawazen A. Lamfon²

1. Department of Zoology, Faculty of Science, Menoufia University, Egypt.

2. Department of Biology, Faculty of Applied Sciences,
Umm Al-Qura University, Saudi Arabia.
<hlamfon@yahoo.com>

Investigation of T-cell activation by human proteins

Borros Arneth

Institute of Clinical Chemistry and Laboratory Medicine
Langenbeckstr. 155131 Mainz, Germany
<arneth@zentrallabor.klinik.uni-mainz.de>

**Surface Plasmon Resonance (SPR) Analysis of NHP Serum Antibodies in Response
to rPA Vaccination and Aerosol Challenge
with *B. anthracis* Spores**

Kelly J. Jones, Gloria S. Sivko, Dan S. Read
Battelle Biomedical Research Center, West Jefferson, OH, 43162, USA
<jonesk@BATTELLE.ORG>

**Passive immunoprophylaxis of experimental *Burkholderia pseudomallei* infection
with polyclonal antisera from melioidosis patients**

Suppiah P Sivalingam, Siew Hoon Sim, Brendon J Hanson,
Annie Chan Hoi Yi, Janet Chew Seok Wei, Eng Eong Ooi

Defence Medical & Environmental Research Institute, DSO National Laboratories,
27 Medical Drive, 117510, Singapore
<ssuppiah@dso.org.sg>

Session [7] continued:

Immunohistological evaluation of Devil Facial Tumour Disease and identification of a biomarker for disease diagnosis

Cesar Tovar, Catherine Blizzard, Alexandre Kreiss and Gregory Woods

Menzies Research Institute, Hobart, TAS, Australia
<cdtovar@utas.edu.au>

Analysis on SHP2-interacting transmembrane adaptor protein (SIT) in T cell lineage

Yuka Tsukagoshi^{1,2}, Nana Shimizu¹, Misao Iizuka¹,
Koji Eshima¹, and Nobukata Shinohara¹

¹Department of Immunology, Kitasato University School of Medicine, Japan

²Faculty of Health and Medical Care, Saitama Medical University, Japan

"Nobu Shinohara" <nobu@med.kitasato-u.ac.jp>

**Friday, July 24, 2009, 8:30 AM – 10:30 AM
Session [8], Room Mauna Loa**

MODERATOR: Jason C. Steel

**An edema toxin-based sublingual vaccine promotes immunity against
both anthrax toxin and yersinia antigens**

Prosper N. Boyaka¹, Alexandra Duverger¹, Wei-Jen Tang²,
Stephen H. Leppla³, Estelle Cormet-Boyaka¹

¹The Ohio State University, Columbus, OH; ²Ben May Institute, University of Chicago, IL;
³NIH-NIAID, Bethesda, MD, USA. <prosper.boyaka@cvm.osu.edu>

**Immunomodulation by hepatitis C virus derived proteins:
Targeting human dendritic cells by multiple mechanisms**

Babita Agrawal¹, Rakesh Kumar², Deepa K Krishnadas¹,
Justin S Ahn¹, and Jiang Han²

¹Department of Surgery, ²Department of Laboratory Medicine and Pathology,
Faculty of Medicine and Dentistry, University of Alberta, Edmonton, Canada.

Babita Agrawal, Associate Professor and Alberta Heritage Foundation for Medical Research Senior Scholar,
Department of Surgery, Faculty of Medicine and Dentistry, 720-HMRC, University of Alberta,
Edmonton, AB, T6G 2S2, Canada. <bagrawal@ualberta.ca>

**The blockade of negative checkpoints enhances the anti-tumor activity mediated by
interleukin-15 in a murine colon cancer model.**

Ping Yu, Steel JC, Zhang ML, Morris JC, Waldmann TA.

Metabolism Branch, Center for Cancer Research
National Cancer Institute, Bethesda, MD 20892, USA. <yuping2@mail.nih.gov>

**Anti-tumour T cell response correlates with clinical response to
melanoma immunotherapy**

M.A. Neller^{1,2}, V. Lennerz³, N.R. Martinez¹, K.A.O. Ellem¹, T. Wolfel³, C.W. Schmidt¹

¹Cancer Immunotherapy Group, Queensland Institute of Medical Research, Brisbane, Australia

²School of Medicine, The University of Queensland, Brisbane, Australia

³Department of Medicine, Haematology/Oncology, Johannes Gutenberg University, Mainz, Germany
<Michelle.Neller@qimr.edu.au>

**Friday, July 24, 2009, 10:45 AM – 11:30 AM
Session [9], Room Mauna Kea**

MODERATOR: Stuart Berzins

FEATURED TALK

**LFA-1 regulates CD8⁺ T cell activation through both TCR-mediated
and LFA-1-mediated Erk1/2 signal pathways**

Dan Li¹, Jeffrey J. Molldrem¹, and **Qing Ma¹**

¹Section of Transplantation Immunology, Department of Stem Cell
Transplantation and Cellular Therapy,
University of Texas M. D. Anderson Cancer Center,
1515 Holcombe Boulevard, Houston, TX 77030, USA
<qma@mdanderson.org>

NUTRITIONAL / COFFEE BREAK (12:00 Noon – 1:30 PM) ?????

**Saturday, July 25, 2009, 9:00 AM – 11:00 AM
Session [10], Room Mauna Loa**

MODERATOR: Babita Agrawal

Genetically-modified dendritic cells expressing IL-15, its receptor and tumor antigen enhanced tumor-specific humoral immunity in CD4+ T cell depleted mice

Jason C. Steel, Charmaine A. Ramlogan, Ping Yu,
Thomas A. Waldmann, John C. Morris.

Metabolism Branch, Center for Cancer Research, National Cancer Institute,
National Institutes of Health, Maryland, USA.
<steeljas@mail.nih.gov>

Treatment of Multiple Sclerosis with RTL1000, a Recombinant T-Cell Receptor Ligand

Arthur A. Vandembark

Veterans Affairs Medical Center and Oregon Health &
Science University, Portland, OR, USA. <vandenba@ohsu.edu>

Reduced frequency of B1 B cells following priming with pneumococcal polysaccharide vaccine compared to glycoconjugate priming in adults over 55 years of age

Elizabeth A. Clutterbuck¹, Rajeka Lazarus¹,
Mushiya Mpelebue¹ and Andrew J. Pollard¹.

¹ University of Oxford, Department of Paediatrics,
Oxford Vaccine Group, Oxford, UK. <Elizabeth.Clutterbuck@paediatrics.ox.ac.uk>

Effect of Helminth infection on cytokine profile and IgE/IgG4 production against *Ascaris lumbricoides* and aeroallergens

Camila A Figueiredo¹, Mauricio L Barreto², Laura Rodrigues³, Nívea Bispo⁴,
Leila Amorim⁴, Neuza Maria Alcantara-Neves¹.

¹Instituto de Ciências da Saúde, Universidade Federal da Bahia, Salvador, Brazil; ²Instituto de Saúde Coletiva, Universidade Federal de Bahia, Salvador, Brazil; ³London School of Hygiene and Tropical Medicine, London, United Kingdom, ⁴Instituto de Matemática, Universidade Federal da Bahia, Salvador, Brazil.
<cavfigueiredo@gmail.com>

**Saturday, July 25, 2009, 11:15 AM – 12:00 Noon
Session [11], Room Mauna Kea**

MODERATOR: Qing Ma

FEATURED TALK

The clinical significance of NKT cells in preventing autoimmunity and cancer in humans

Stuart Berzins

NHMRC RD Wright Fellow
Department of Microbiology and Immunology
The University of Melbourne
Parkville 3010, AUSTRALIA
<berzins@unimelb.edu.htm>

NUTRITIONAL / COFFEE BREAK 12:00 Noon – 1:30 PM

Saturday, July 25, 2009, 1:30 PM – 3:00 PM
Session [12], Room Hualalai

POSTERS

The Marmoset as a Model for Filovirus Induced Hemorrhagic Fever

Ricardo Carrion, Jr.^{1,2}, Young Tae Ro¹, Anysha Ticer¹, Jessica Montalbo¹,
Kathleen Brasky², Keith Mansfield³, and Jean L. Patterson¹.

¹Southwest Foundation for Biomedical Research, San Antonio, Texas, USA;

²Southwest National Primate Research Center, San Antonio, Texas, USA;

³New England Primate Research Center, Harvard Medical School,
Southborough, Massachusetts, USA. <carrion@sfbr.org>

Absence of sewage system and tap water up-regulate spontaneous IL-10 production in children from a low-income environment in Salvador-BA, Brazil.

Camila Alexandrina Figueiredo^{1#}, Neuza Maria Alcântara-Neves¹, Leila D. Amorim², Mariese Santos², Lain Carlos Pontes de Carvalho³, Philip J. Cooper⁴, Laura Rodrigues⁵, and Maurício L Barreto⁶

¹Instituto de Ciências da Saúde, Universidade Federal da Bahia, Salvador, Brazil; ²Instituto de Matemática, Universidade Federal da Bahia, Salvador, Brazil; ³Centro de Pesquisas Gonçalo Moniz – FIOCRUZ, Salvador, Brazil; ⁴Universidad San Francisco de Quito, Ecuador; ⁵London School of Hygiene and Tropical Medicine; ⁶Instituto de Saúde Coletiva, ⁶Universidade Federal de Bahia, Salvador, Brazil
<cavfigueiredo@gmail.com>

Inhibition of dsRNA-induced JNK-STAT1/3-iNOS expression by fraxinellone and sauchinone in microglia

Chang Seok Lee¹, Cheolhee Won¹, Young-Wook Ko¹, Eun Hee Yi¹,
Yuri Cho¹, Jung Woo Maeng¹, Sang Hyun Sung², Sang-Kyu Ye¹⁰ and Myung-Hee Chung¹

Department of Pharmacology, Seoul National University College of Medicine, Seoul, 110-799, Korea¹
College of Pharmacy, Seoul National University, Seoul, 151-742, Korea²
<gostraight77@paran.com>

Protective effect of 8-oxo-deoxyguanosine on UV-induced skin damage of hairless mice

Jin-Ku Lee, Myung-Hee Chung

Department of Pharmacology, Seoul National University
College of Medicine, Seoul Korea
Jin-Ku Lee <sti571@snu.ac.kr>

Session [12] continued:

NK and NKT cells in the follicular fluid of infertile women

V. Tamosiunas, Z. Cerkiene, A. Eidukaite
VU Institute of Immunology, Vilnius, Lithuania
“Sandra Kazakevičiūtė” <sandra@interlux.lt>

**Implication of lymphotoxin- β receptor signaling pathway in
B CELL-driven lymphangiogenesis**

Jun Xiang Ng, KW. Tan, V. Angeli.

Department of Microbiology, Immunology Programme
National University of Singapore, Singapore
“Ng Jun Xiang” <g0801844@nus.edu.sg>

Poster title: Innate Immune Receptors in Mycobacterium Infections

Olivia Oh Seen Huey*, Vanessa Koh Hui Qi*, Ranjeeta Hari Dass#,
Sonia Davila#, Martin L. Hibberd#, Mark Seielstad# and Paul A. MacAry*.

*Immunology Program and Department of Microbiology,
The Yong Loo Lin School of Medicine,
National University of Singapore, Singapore #Infectious Disease,
Genome Institute of Singapore, Singapore
<micosh@nus.edu.sg>

Sunday, July 26, 2009, 9:00 PM – 11:00 PM
Session [13], Room Mauna Loa

MODERATOR: Laila H. El-Sayed

**CD44v6, hyaluronan, and hyaluronidases in Egyptian breast cancer women:
relevance to prognosis and length of survival**

Laila H. El-Sayed, Abourawach NM, Elzoghaby SM, Koheil HM,
Fadali G, Soliman EK, and Abourawach SN.

Immunology, biochemistry, applied chemistry, clinical oncology, pathology and
clinical surgery Medical Research Institute, Alexandria University, Egypt
<lailaelsayed758@gmail.com>

**Gene expression of mage-A genes and circulating ICAM-1 in Egyptian breast
cancer patients: possible prognostic impact**

Laila H. El-Sayed, Ghoneim H.M., Fadali G.,
Hafez E.S., Saad A. and Shaaban S.

Immunology, pathology and Clinical surgery, Medical Research Institute,
Alexandria University and Genetic Research institute, Mubarak City for Scientific
Research and Biotechnology Applications, Egypt
<lailaelsayed758@gmail.com>

**Adaptive immune responses during acute uncomplicated and
fulminant hepatitis E**

Ratika Srivastava¹, Sanjeev Sachdeva²,
Rakesh Aggarwal², Shahid Jameel³, **Sita Naik**¹

Departments of ¹Immunology and ²Gastroenterology,
Sanjay Gandhi Postgraduate Institute of Medical Sciences,
Lucknow, India, ³Virology Group, ICGEB, New Delhi, India.
<sitanaik@gmail.com>

OBSERVERS

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Obinna E Osita-Oleribe

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Docteur Nicole Puttemans

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