



FRONTIERS IN IMMUNOLOGY RESEARCH NETWORK

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FRONTIERS IN IMMUNOLOGY RESEARCH 2012 INTERNATIONAL CONFERENCE

< <http://www.firnweb.com/FIRNCall2012.pdf> >

**SALZBURG, AUSTRIA (July 1 – 4, 2012)
CROWNE PLAZA SALZBURG HOTEL – THE PITTER**

<<http://www.crowneplaza.com/h/d/cp/1/en/hotel/szgcpc?rpb=hotel&crUrl=/h/d/cp/1/en/mapsearchresults>>

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

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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

**Frontiers in immunology Research 2012 International Conference
Salzburg, Austria, Crowne Plaza Hotel Salzburg – The Pitter, July 1-4**

SCHEDULE OF MEETINGS & ACTIVITIES (subject to change) *

***All excursions at extra cost**

SATURDAY, JUNE 30, 2012

Pre-Conference Day-Long Excursion: Vienna

Registration: 5:30 PM – 7:30 PM

Reception: 8:00 PM – 9:00 PM

SUNDAY, JULY 1, 2012

Registration: 8:00 AM – 3:30 PM

Sessions: 8:30 AM – 3:30 PM

Half-Day Excursion (after sessions): Hellbrun & Surroundings

MONDAY, JULY 2, 2012

Registration: 8:00 AM – 3:30 PM

Sessions: 8:30 AM – 3:30 PM

Half-Day Excursion (after sessions): Lakes & Mountains

TUESDAY, JULY 3, 2012

Registration: 8:00 AM – 3:30 PM

Sessions: 8:30 AM – 3:30 PM

Half-Day Excursion (after sessions): Eagle's Nest, Bavarian Mountains & Salt Mines

WEDNESDAY, JULY 4, 2012

Registration: 8:00 AM – 3:30 PM

Sessions: 8:30 AM – 3:30 PM

Half-Day Excursion (after sessions): Ice Caves & Surroundings

THURSDAY, JULY 5, 2012

Post-Conference Day-long excursion: Neuschwanstein Castle & Garmisch

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 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 Austria. *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 Friday (July 1), Saturday (July 2) and Sunday (July 3) from 1:30 PM to 2:30 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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Oral & Poster Presentations

[Alphabetically by corresponding author in **bold**. Periodically updated]

T-cell CD38 expression in B-chronic lymphocytic leukemia

Nashwa Khayrat Abousamra^{1*}, Manal Salah EL-Din², Emad Azmy³

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Propolis, a New Powerful Safe Adjuvant for Klebsiella pneumoniae vaccine

Tarek A. Adnan^a, El Sayed H. El Ashry^b, Medhat Haroun.^a,
Ahmad A. Hussein^a, Laila H. El-Sayed^c.

^a Biotechnology Department, Institute of Graduate Studies and Research- Alexandria University, Alexandria, Egypt;

^b Chemistry Department, Faculty of Science- Alexandria University, Alexandria, Egypt;

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Isolation of Different Viruses from Diarrhoeal and Non-Diarrhoeal Stool Samples at Our Centre at Karachi, Pakistan

Mughis Uddin Ahmed** and *Shin Isomura**

*Ex.Professor of Pathology Karachi Medical & Dental College and Abbasi Shaheed Hospital, Karachi-Pakistan.

Now Consultant & Section Head of Serology & Microbiology King Abdulaziz Hospital Al-Ahsa Saudi Arabia, Email: <drmughis@rediffmail.com>

**Professor of Paeds. Nagoya University, Nagoya Japan.

Immunologic response to HBV serologic markers

Shabnam Anvari Aria & Yashar Ostad Ahmdli

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The development of autoimmunization due to defective elimination pathways of potentially immunogenic components

Borros Arneth

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TU- Dresden, Dresden, Germany.

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Immature granulocytes and high-fluorescing lymphocytes as early markers of sepsis in intensive care-requiring patients

Borros Arneth¹, Kathleen Hommel^{1,2}, Maximilian Ragaller², and Gabriele Siegert¹

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² Clinic of Anaesthesia and Intensive Care Medicine, CG Carus University Hospital,
University of Dresden, Dresden, Germany.

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Regulation of Conventional Dendritic Cells Development: Unmasking a Novel Role for the Tumor Suppressor p15Ink4b in Immunity

Joanna Fares^{1, 2}, Richard Koller¹, Rita Humeniuk¹, Linda Wolff¹, **Juraj Bies¹**

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In vivo and in vitro evidence of the effect of Erbitux[®] on drug substrates of ABCB1

C Chu^{a,b}, C Abbara^a, M S Noël-Hudson^b, J Bénard^c, R Farinotti^b, **L Bonhomme-Faivre^{a,b}**

^aLaboratory of Pharmacology, Hôpital Paul Brousse AP-HP,
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^cMolecular Interaction and Cancer CNRS-UMR 8126, IFR54, Institut Gustave Roussy,
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The T cell immune response to Epstein-Barr virus

Scott R. Burrows¹, M.A. Neller¹, M.J. Bell¹, R.M. Brennan¹, A. Welland², N.P. Croft³,
J.M. Burrows¹, S. Gras², A.W. Purcell³, J.J. Miles¹, J. Rossjohn²

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³Department of Biochemistry and Molecular Biology, The Bio21 Molecular Science and Biotechnology
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Mechanism of action and antineoplastic effect of the cupper coordination compound [Cu (5,6-dimetil-1,10 fenantrolina) (acetonato)] NO₃H₂O on Squamous Cell Carcinoma in vitro.

Georgina Chávez-Cortéz (presenter), Cristina Trejo-Solís, & Dolores Jiménez-Farfan

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Structural basis of human beta-cell killing by CD8⁺ T cells in Type 1 diabetes ⁽ⁱ⁾

David K. Cole^{1*}, Anna M. Bulek^{1*}, , Ania Skowera^{2,3*}, Garry Dolton¹, Stephanie Gras⁴, Florian Madura¹, Anna Fuller¹, John J. Miles¹, Emma Gostick¹, David A. Price¹, Jan W. Drijfhout⁶, Robin R. Knight², Guo C. Huang⁷, Nikolai Lissin⁵, Peter E. Molloy⁵, Linda Wooldridge¹, Bent K. Jakobsen⁵, Jamie Rossjohn^{1,4}, Mark Peakman^{2,3*}, Pierre J. Rizkallah^{1*} and Andrew K. Sewell^{1*}

¹Cardiff University School of Medicine, Heath Park, Cardiff, CF14 4XN, UK; ²Department of Immunobiology, King's College London, London, UK; ³NIHR Biomedical Research Centre at Guy's & St Thomas' NHS Foundation Trust and King's College London, London, UK; ⁴The Protein Crystallography Unit, Department of Biochemistry and Molecular Biology, School of Biomedical Sciences, Monash University, Clayton, Victoria 3800, Australia; ⁵Immunocore Ltd., 57c Milton Park, Abingdon, UK; ⁶Department of Immunohematology and Blood Transfusion, Leiden University Medical Centre, Leiden, Netherlands. ⁷Diabetes and Nutritional Science King's College London, London, UK.

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⁽ⁱ⁾ This study has been recently published in Nature Immunology (*Nature Immunology*. 2012 Jan 15;13(3):283-9) and was featured in the News and Views section of the same issue. Furthermore, it was voted in the top 2% of all biomedical publications in FS1000 and has generated broad media interest (TV, radio and internet).

Myricetin and Fisetin inhibit the effect of lipopolysaccharide obtained from *Porphyromonas gingivalis* on human gingival fibroblasts

Anabel Contreras-Sánchez (presenter), Gloria Gutiérrez-Venegas

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Modulation of FOXP3 Expression by PPAR γ ligands in natural T-regulatory Cells

Nor Effa S.Z¹, Yaacob N.S², Norazmi M.N¹,

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²Department of Chemical Pathology, School of Medicine, Universiti Sains Malaysia, Malaysia.
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Specificity of antibodies elicited against a mutant recombinant hCG β -protein conjugated to different carrier molecules

Chikadze N.¹, **Gachechiladze N.**¹, Mitskevichi N.¹, Delves PJ.², Porakishvili N.^{1,3}

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IFN- γ production from cord blood NK cells by various Toll-like receptor ligands

Toshiro Hara¹, FM Eljaafari¹, Hidetoshi Takada¹

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Clinical features of patients with susceptibility to mycobacterial diseases in Japan

Toshiro Hara¹, Takayuki Hoshina¹, Hidetoshi Takada¹, Koichi Ohshima^{2,3}, Osamu Ohara^{2,3}

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Emerging Therapies for Inflammation and Autoimmunity

Jacek Hawiger, Robert D. Collins, Yan Liu, Amy Major,
Daniel Moore, Huan Qiao, and Jozef Zienkiewicz

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Microbiology and Immunology, and Pediatrics,

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The mitochondrial citrate carrier: a new player in inflammation

V. Infantino¹, P. Convertini², A. Menga², F. Palmieri², V. Iacobazzi²

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Cellular basis of immune response against experimental *Francisella tularensis* strain LVS infection of mice.

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Hradec Kralove, Czech Republic.
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The human inducible WT1-specific Regulatory T cells mediate their suppressive effect via Interleukin-35 production

¹Cynthia Lehe, ²Hazem Ghebeh, ³Mahmoud Aljurf, ¹Said Dermime

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Dasman Diabetes Institute, Dasman, Kuwait;

²Tumor Immunology Section,

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Crystal structure of an anti collagen immune complex

Ingrid Lindh

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Liposome-encapsulated CpG oligodeoxynucleotides as a potent mucosal vaccine for intranasal immunization

Ping-Lun Jiang¹, Hsiao-Wen Wang², Wen-Yu Tsai³, Yun-An Chen³, Hung-Jun Lin³, Shen-Fu Lin³, Mei-Yin Chien^{3,4} and **Der-Zen Liu³**

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³ Graduate Institute of Biomedical Materials and Tissue Engineering, College of Oral Medicine, Taipei Medical University, Taipei, Taiwan

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Endotoxin Tolerance Alters LPS-inducible Recruitment of Lyn to TLR4, Protein Tyrosine Phosphatase Activity and Induction of Pellino-1

¹Yanbao Xiong, ²Chang Song, ³Larry M. Wahl, and ¹**Andrei E. Medvedev**

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Ficolin 1 gene polymorphisms and clinical leprosy in patients from South Brazil

Boldt, ABW¹; Sanchez, MIN¹; Stahlke, ERS²; Steffensen, R³; Thiel, S⁴; Jensenius, JC⁴; Prevedello, FC⁵; Mira, MT⁵; Kun, JFJ⁶; **Messias-Reason, IJT¹**.

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6 Institute of Tropical Medicine, University of Tübingen, Tübingen, DE.

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Association of MASP2 haplotypes with the susceptibility to leprosy in South Brazil.

Boldt, ABW¹; Stahlke, ERS²; Steffensen, R³;
Thiel, S⁴; Jensenius, JC⁴; **Messias-Reason, IJT¹**.

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Exploring the frequency and repertoire of naive antigen-specific T cell precursors in newborns

Michelle A. Neller, Kristin Ladell, James E. McLaren, Katherine K. Matthews, Emma Gostick, Johanne M. Pentier, Garry Dolton, Andrea J.A. Schauenburg, Rajiv Khanna, Mathew Clement, David K. Cole, Linda Wooldridge, Andrew K. Sewell, Scott R. Burrows, David A. Price and **John J. Miles**

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E6201, a Novel Kinase Inhibitor on MEK1 and MEKK1, suppressed Th2 responses on cutaneous inflammatory responses by topical administration

Kenzo Muramoto, Katsuhiko Moriya, Yoshiko Matsumoto, Hiroshi Shirota, Masaki Goto

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Recombinant T Cell Receptor Ligands improve outcome after experimental cerebral ischemia

Halina Offner

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**Mesenchymal Stromal Cells from Amniotic Membrane:
immunomodulatory potential for a clinical perspective**

Cargnoni Anna, Magatti Marta, Rossi Daniele,
Pianta Stefano, **Ornella Parolini**

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**Lack of association between Transforming Growth Factor Beta Gene 1 (TGB1)
polymorphisms, and the genesis and progression of breast cancer (BC)**

Enilze MSF Ribeiro, Savana CL Santos,
Iglenir João Cavalli, Maria da Graça Bicalho.

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**Preexisting cross-reactive antibodies to avian influenza H5N1 and 2009
pandemic H1N1 in non-exposed US military personnel**

S. Pichyangkul¹, D. L. Saunders¹, A. Jongkaewwattana², A. Thitithanyanont³, S. Wiboon-ut³, J. Kramyu², K. Yongvanitchit¹, A. Limsalakpetch¹, U. Kum-Arb¹, D. Mongkolsirichaikul¹, N. Khemnu¹, A. Timmermans¹, R. G. Jarman¹, J-M Garcia⁴, M. Peiris⁴, R. Mahanonda⁵, C. J. Mason¹, and D. S. Walsh¹

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Novel therapies for immune tolerance: Back to the Future!

David W. Scott

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The effect of oncogenic Vav1 on calcium signaling in the process of T- cell activation

Ekaterina Shaginov, Etay Moas, Mira Knyazhitsky, Anna Luria and Alex Breiman.

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Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-Sheva, Israel.
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**Orally induced tolerance to caseins and whey proteins
in mice with cow milk allergy**

Umesh Kr. Shandilya, Vandana Panwar and Rajeev Kapila

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Minicircle DNA is superior to plasmid DNA in eliciting antigen-specific CD8+ T cell responses

Nicole E B Skinner¹, Wynette M Dietz¹, Sara E Hamilton¹, Michelle D Jund¹, Suzanne Heitfeld¹, Adam J Litterman², Patrick Hwu³, Zhi-Ying Chen⁴, Andres M. Salazar⁵, John R Ohlfest², Bruce R Blazar², Christopher A Pennell¹ and Mark J Osborn²

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**Changes in Activation Status of Dendritic Cell and Cytokine Profile in
Type 2 Diabetes Mellitus with Poor Glycemic Control**

Soongsathitanon, J.^{1*}, Sriwijitkamol, A.², Thongboonkerd, V.³

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The legacy of HIV epidemic in Pakistan: next stop, Children

Muhammad A. Raees¹, Syed H. Abidi¹, Muhammad R. Khanani^{2,3}, Wajid Ali³, **Syed Ali**^{1,2}

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Population-specific evolution of HIV Gag epitopes in Kenyan and Pakistani cohorts

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Dissecting TLR crosstalk through combinatorial PAMP stimulation

Tan Suet Ting Rebecca¹ and Ding Jeak Ling²

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On the Mechanism of efficient Delivery of a Poison Pill by CTL: implication for success or failure of anti-virus immunity

Yuri Sykulev

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Interaction between TLR ligated adipose tissue derived mesenchymal stem cells with monocytic cells augmented expression of IL-6, IL-8 and TNF- α

Nadia Zghoul, Rasheed Ahmad, Anfal Almas, Nada Mohammed, Said Dermime

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Tolerogenic dendritic cells curtail NK cell-mediated IFN- γ secretion through a regulatory circuit that involves IL-10 and NKp46

Damián Ezequiel Ávila^{1,2}, Lucas Ezequiel Rossi¹, Carolina Inés Domaica¹,
Raúl Germán Spallanzani¹, Andrea Ziblat^{1,3},
Gabriel Adrián Rabinovich^{4,5} and **Norberto Walter Zwirner**^{1,3}.

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³Departamento de Microbiología, Parasitología e Inmunología, Facultad de Medicina,
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IL-23 and IL-27 cooperate synergistically with IL-18 to promote human NK cell effector functions.

Andrea Ziblat^{1,2}, Raúl Germán Spallanzani¹, Damián Ezequiel Ávila^{1,3},
Lucas Ezequiel Rossi¹, Carolina Inés Domaica¹, Mercedes Beatriz Fuertes^{1,4} and **Norberto Walter Zwirner**^{1,2}.

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³Cátedra de Inmunología, Facultad de Ciencias Exactas,
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Application of Nuclex for immunorehabilitation HIV-infected patients

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Efficiency of Nuclex in the treatment of the patients with chronic viral hepatitis C

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A Novel CD74-Dependent Therapy for Inflammatory CNS Diseases

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Primary human proximal tubular epithelial cells (PTEC) of the kidney down-modulate autologous immune responses.

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Cell Cycle Regulation by Glucosamine in Human Pulmonary Epithelial Cells

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Program

(Forthcoming)

