

## **Final Program**

# **X INTERNATIONAL CONGRESS OF REPRODUCTIVE IMMUNOLOGY**

*Opatija, Croatia, June 10-14, 2007*

Grand Hotel Adriatic

*organized by*

THE INTERNATIONAL SOCIETY FOR  
IMMUNOLOGY OF REPRODUCTION (ISIR)

*under the high patronage of*

Mr. Stjepan Mesic, President of the Republic of Croatia

*hosted by*

University of Rijeka, Croatia

Medical Faculty



Department of Physiology and Immunology

**Organizing Committee:**

**Daniel Rukavina, Croatia, President of the Congress**

**International Committee for the Congress:**

<b>Gerard Chaouat, President</b>	INSERM U782 Clamart, France
<b>Daniel Rukavina, President of ISIR</b>	Department of Physiology and Immunology, Medical Faculty, University of Rijeka, Rijeka, Croatia
<b>Kenneth D. Beaman</b>	Department Microbiology and Immunology, FUHS/The Chicago, Medical School, North Chicago, IL, USA
<b>Anne Croy</b>	Queen's University, Kingston Ontario
<b>Rayna Georgieva</b>	Institute of Biology and Immunology of Reproduction, Dept. of Reproductive Immunology, Sofia, Bulgaria
<b>Thomas J. Gill III</b>	Sports Medicine Service, Department of Orthopaedic Surgery, Massachusetts General Hospital, Harvard Medical School, Boston, MA
<b>Satish K. Gupta</b>	Gamete Antigen Laboratory, National Institute of Immunology, Aruna Asaf Ali Marg, New Delhi, India.
<b>Peter J. Hansen</b>	University of Florida Department of Animal Sciences, Gainesville, FL, USA
<b>Koji Koyama</b>	Department of Obstetrics and Gynecology, Hyogo College of Medicine, Nishinomiya, Hyogo, Japan
<b>Philippe Le Bouteiller</b>	INSERM U563, CHU Purpan, Toulouse, France
<b>Gil Mor</b>	Department of Obstetrics and Gynecology, Yale University, School of Medicine, New Haven, USA
<b>Sarah Robertson</b>	Department of Obstetrics and Gynaecology, University of Adelaide, Australia
<b>Shigeru Saito</b>	Department of Obstetrics and Gynecology, University of Toyama, Japan
<b>Ian Sargent</b>	Nuffield Dept. Of Obstetrics & Gynaecology, John Radcliffe Hospital, Headington, Oxford, UK
<b>Julia Szekeres-Bartho</b>	Department Microbiology, University Medical School Pecs, Pecs, Hungary
<b>Charles R. Wira</b>	Department of Physiology, Dartmouth Medical School, Lebanon, NH, USA

## WELCOME BY THE CONGRESS PRESIDENT

Dear Colleagues,

It was a great honour for me to organize the X International Congress of Reproductive Immunology. The Congress will be held under the high patronage of Mr. Stjepan Mesic, President of the Republic of Croatia, and under the auspices of the Croatian Ministry of Science, Education and Sports. I would like to take this opportunity to thank the International Committee for the Congress for bringing together leading experts in the field of reproductive immunology. Without the vision, guidance and knowledge of this Committee and the experts whom they invited, the purposes of this Congress could not be achieved.

The X ISIR Congress will provide an exceptional opportunity and a unique forum to discuss, analyze and debate. It will also provide a stimulating setting for new insights and for updating the research and clinical work that is currently being carried out on the increasingly important topics that will be discussed. Besides summarizing the main achievements from the recent past, the Congress will open many new avenues for research in reproductive biology and immunology and will initiate and strengthen professional and personal contacts with colleagues throughout the world.

The Riviera Opatija, a pearl of the Croatian Adriatic Coast, will provide an unforgettable setting for the meeting. We are delighted to host you, to spend an enjoyable time with friends, and to establish new ties of friendship in a relaxed and congenial atmosphere.

I wish you a most enjoyable personal stay in beautiful Opatija, Croatia.



Daniel Rukavina, President  
International Society for Immunology of Reproduction

**Congress Chairman**

Daniel Rukavina, MD., Ph.D.,  
Department of Physiology and Immunology  
Medical Faculty, University of Rijeka,  
B. Branchetta 20, HR-51000 Rijeka, Croatia  
Phone: ++ 385-51-651-150  
Fax: ++ 385-51-675-699  
E-mail: daniel@medri.hr

**Members of the Local Organizing Committee**

Ljiljana Randić, Secretary,  
Pero Lučin, Zlatko Trobonjača, Gordana Laškarin, Miljenko Kapović, Herman  
Haller, Anđelka Radojčić-Badovinac, Radoslav Herman.

**Congress Secretariat**

**Committee**

Danijela Veljković, Gordana Blagojević, Arneta Redžović, Željka Rubeša, Vinko  
Toševski, Maja Ilić Tomaš, Iva Sorta Bilajac, Hrvoje Jakovac, Damir Grebić.

**Technical staff:**

Nadija Peraić, Ksenija Tulić, Jelena Đirlić

Ivana (Nina) Godnič, Administrative Secretary

**Department of Physiology and Immunology,  
Medical Faculty, University of Rijeka,**

B. Branchetta 20, HR-51000 Rijeka, Croatia  
Phone: ++ 385-51-651-150, Fax: ++ 385-51-675-699,  
E-mail: Congress@medri.hr

Meeting website: <http://www.medri.hr/isir>

**Meeting Site**

**Congress Center Grand Hotel Adriatic Opatija**

M. Tita 200, 51410 Opatija, Croatia  
Phone: ++385-51-719-000  
Fax: ++ 385-51 719-015  
E-mail: [info@hotel-adriatic.hr](mailto:info@hotel-adriatic.hr)  
www: <http://www.hotel-adriatic.hr/>

**The X International Congress of Reproductive Immunology will be held under the high patronage of Mr. Stjepan Mesic, President of the Republic of Croatia**

**HONORARY COMMITTEE**

**Izet Aganović**, *Special advisor to the President for Science and Education*

**Dragan Primorac**, *Minister, Croatian Ministry of Science, Education and Sports*

**Dražen Vikić Topić**, *State Secretary for Science and Technology*

**Dragan Dekaris**, *President of the Council, University of Rijeka*

**Zlatko Komadina**, *Prefect, The County of the Primorje and Gorski Kotar*

**Vojko Obersnel**, *Mayor of the City of Rijeka*

**Niko Bulić**, *President, National Croatian Tourism Board*

**Gordana Medved**, *President, The Kvarner County Tourism Office*

**Miljenko Kapović**, *Dean of the Medical Faculty, University of Rijeka*



## Contents

<b>TIME TABLE</b>	<b>00</b>
<b>PROGRAM</b>	<b>00</b>
<b>JUNE 10, SUNDAY</b>	<b>00</b>
<b>JUNE 11, MONDAY</b>	<b>00</b>
<b>JUNE 12, TUESDAY</b>	<b>00</b>
<b>JUNE 13, WEDNESDAY</b>	<b>00</b>
<b>JUNE 14, THURSDAY</b>	<b>00</b>
<b>INFORMATION FOR PRESENTERS</b>	<b>00</b>
<b>INFORMATION FOR POSTER PRESENTERS</b>	<b>00</b>
<b>SOCIAL EVENTS</b>	<b>00</b>
<b>GENERAL INFORMATION</b>	<b>00</b>
<b>ACKNOWLEDGEMENT TO THE SPONSORS</b>	<b>00</b>
<b>PARTICIPATING COUNTRIES</b>	<b>00</b>

## TIME TABLE

<b>June 10, Sunday</b>	
19,00-20,00	<b>Opening ceremony</b>
20,00-21,30	Welcome cocktail

<b>June 11, Monday</b>	
7,30	Posters display (ICRI-07--1-53)
8,00 - 9,25	<b>Main Session 1: Gamete immunology</b>
9,25 - 9,45	Coffee break
9,45-11,15	<b>Main Session 1</b> (continued)
11,15-13,15	<b>Main Session 2: MHC and reproduction</b>
13,15-14,15	Lunch
14,15-15,35	<b>Main Session 3: Immuno-endocrine interactions in reproduction</b>
15,35-15,55	Coffee break
15,55-17,15	<b>Main Session 3</b> (continued)
17,15-18,20	<b>Main Session 4: Cytokines and signaling at the maternal fetal interface</b>
	To be continued tomorrow
20,00-22,00	<b>Posters viewing and discussions (ICRI-07--1-53)</b>

<b>June 12, Tuesday</b>	
7,30	Posters display (ICRI-07--54-104)
8,00-9,05	<b>Main Session 4</b> (continued)
9,05-10,05	<b>Main Session 5: Mucosal immunology of the female reproductive tract</b>
10,05-10,25	Coffee break
10,25-11,20	<b>Main Session 5</b> (continued)
11,20-13,00	<b>Main Session 6: HIV and reproduction</b>
13,00-14,00	Lunch



14,00-16,15	<b>Main Session 7: NK cells in implantation and pregnancy</b>
16,15-16,35	Coffee break
16,35-17,35	<b>Selected Oral Presentations (1-6)</b>
17,35-17,55	<b>EMBIC: European Network of Excellence</b>
18,00-19,00	<b>Meeting AASIR/ESRADI</b>
20,00-22,00	<b>Posters viewing and discussions (ICRI-07--54-104)</b>

<b>June 13, Wednesday</b>	
8,00-10,10	<b>Selected Oral Presentations (7-17)</b>
10,10-10,35	Coffee break
10,35-12,30	<b>Main Session 8: Regulatory mechanisms in pregnancy</b>
12,30-13,30	Lunch
14,00-22,00	Excursion and dinner

<b>June 14, Thursday</b>	
8,00-9,55	<b>Main Session 9: Inflammation and implantation</b>
9,55-10,15	Coffee break
10,15-12,30	<b>Main Session 10: Immunology of preeclampsia</b>
12,30-13,30	Lunch
13,30-14,30	<b>Main Session 11: Clinical immunology</b>
14,30-15,30	<b>Selected Oral presentations (18-23)</b>
15,30-15,50	Coffee break
15,50-16,40	<b>Selected Oral presentations (24-28)</b>
16,40	<b>ISIR Assembly, Best Posters Awards</b>
20,30-23,00	Farewell dinner

**Sunday, June 10:** Opening Ceremony and Welcome cocktail

Monday, June 11	Tuesday, June 12	Wedn., June 13	Thu., June 14
MS - 1	MS - 4	SOP (7-17)	MS - 9
Coffee break	MS - 5		Coffee break
MS - 1	Coffee break	Coffee break	MS - 10
MS - 2	MS - 5	MS - 8	
Lunch	MS - 6		Lunch
MS - 3	Lunch	Excursion and dinner 14,00 – 22,00  ↓	SOP (18-23)
Coffee break	MS - 7		Coffee break
MS - 3	Coffee break		SOP (24-28)
MS - 4	SOP (1-6)		ISIR Assembly Best poster awards
	EMBIC: European Network of Excellence		
	Meeting AASIR/ESRADI		
Poster viewing and discussions (Posters 1-53)	Poster viewing and discussions (Posters 54-104)		

## PROGRAM

### Sunday, June 10<sup>th</sup>

19,00-20,00	<b>Opening ceremony</b>
	<b>Daniel Rukavina, Croatia:</b> Presidential Address
20,00-21,30	Welcome cocktail

### Monday, June 11<sup>th</sup>

<b>MAIN SESSION 1: GAMETE IMMUNOLOGY</b>	
<b>8,00 - 9,25</b>	Chairmen: <b>Gerard Chaouat</b> (France) and <b>Koji Koyama</b> (Japan)
<b>MS1-1</b>	<b>Koji Koyama, Japan:</b> Biological and Immunological Significance of CD52 in Reproduction
<b>MS1-2</b>	<b>John Herr, USA:</b> Pre-patterning of the mammalian oocytes revealed by KH domain RNA binding proteins MOEP19 and Ecat-1
<b>MS1-3</b>	<b>Peter M. Johnson, UK:</b> CD46 and sperm: are you man or mouse?
	Discussion
9,25 – 9,45	Coffee break
<b>9,45 – 11,15</b>	Chairmen: <b>Shinzo Isojima</b> (Japan) and <b>John Herr</b> (USA)
<b>MS1-4</b>	<b>Satish K. Gupta, India:</b> Fertilization in humans: Dissecting the complexity of zona pellucida matrix and functional relevance of its constituents
<b>MS1-5</b>	<b>Akiko Hasegawa, Japan:</b> Possible role of zona pellucida proteins in ovarian follicle development
<b>MS1-6</b>	<b>Maciej Kurpisz, Poland:</b> Molecular analysis of IL-1-IL-18 system in human gonad
<b>MS1-7</b>	<b>Anil Suri, India:</b> Small interference RNA-mediated knockdown of sperm associated antigen 9 involved in sperm egg interaction
<b>MS1-8</b>	<b>Zdenka Ulcova-Gallova, Czech Republic:</b> Th1 and Th2 cytokines after in vitro PBMC stimulation with sperm cells
	Discussion

<b>MAIN SESSION 2: MHC AND REPRODUCTION</b>	
<b>11,15 – 13,15</b>	Chairmen: <b>Thomas J. Gill III (USA)</b> and <b>Philippe Le Bouteiller (France)</b>
<b>MS2-1</b>	<b>Philippe Le Bouteiller, France:</b> Soluble HLA-G and control of angiogenesis
<b>MS2-2</b>	<b>Akiko Ishitani, Japan:</b> Nonclassical HLA class I and the immunology of pregnancy
<b>MS2-3</b>	<b>Shirley Ellis, UK:</b> The role of MHC class I in establishment and maintenance of pregnancy in cattle
<b>MS2-4</b>	<b>Marighoula Varla-Leftherioti, Greece:</b> Current aspects on the involvement of HLA and KIR genes in abortion
<b>MS2-5</b>	<b>Lucia Mincheva-Nilsson, Sweden:</b> MICA and MICB expression by human placenta: a novel immune escape mechanism for fetal survival
	Discussion
<b>13,15 – 14,15</b>	Lunch

<b>MAIN SESSION 3: IMMUNO-ENDOCRINE INTERACTIONS IN REPRODUCTION</b>	
<b>14,15 – 17,15</b>	Chairmen: <b>Marie-Pierre Piccinni (Italy)</b> and <b>Julia Szekeres-Bartho (Hungary)</b>
<b>MS3-1</b>	<b>Gerard Chauat, France:</b> Cytokines and reproduction: Evolving concepts
<b>MS3-2</b>	<b>Marie-Pierre Piccinni, Italy:</b> Factors responsible for the cytokine profile of T cells in pregnancy
<b>MS3-3</b>	<b>Julia Szekeres-Bartho, Hungary:</b> PIBF signaling in decidual cells
	Discussion
<b>15,35 – 15,55</b>	Coffee Break
<b>MS3-4</b>	<b>Biserka Mulac-Jericevic, Croatia:</b> Progesterone-dependent signaling in uterine biology and implantation
<b>MS3-5</b>	<b>Andreas Meinhardt, Germany:</b> Pathomechanism of testicular inflammation

<b>MS3-6</b>	<b>Peter Hansen, USA:</b> Local and systemic regulation of uterine lymphocyte and macrophages in ruminants
<b>MS3-7</b>	<b>Aydin Arici, USA:</b> The role of local cytokines in the pathogenesis of endometriosis
	Discussion

<b>MAIN SESSION 4: CYTOKINES AND SIGNALING AT THE MATERNAL FETAL INTERFACE</b>	
<b>17,15 – 18,20</b>	Chairmen: <b>Shigeru Saito</b> (Japan) and <b>Kenneth D. Beaman</b> (USA)
<b>MS4-1</b>	<b>Haruki Okamura, Japan:</b> A role of IL-18 in expansion of distinct lymphocyte populations
<b>MS4-2</b>	<b>Shigeru Saito, Japan:</b> The balance between immunostimulation and immunoregulation during pregnancy
	Discussion

to be continued tomorrow

<b>20,00 – 22,00</b>	<b>Posters viewing and discussions (Posters 1-53) (Hotel Admiral)</b>
	Moderators: <b>Daniel Rukavina</b> (Croatia), <b>Koji Koyama</b> (Japan), <b>Gerard Chaouat</b> (France) and <b>Chairmen of the Main sessions (MS1-MS5)</b>

#### Poster Session

<b>ICRI-07-1-1</b>	Valeris R, Villamediana P, Quintero, A, Parra O, Sandoval J, Ghebrehiwet B: Complement receptor gC1qR expression and distribution in bovine sperm
<b>ICRI-07-1-2</b>	Krizan J, Cuchalova L, Madar J, Rezacová J, Sima P, Kralickova M: The NKT cells in the follicular fluid and peripheral blood of infertile women: a pilot study
<b>ICRI-07-1-3</b>	Horiuchi I, Hasegawa A, Kasumi H, Mochida N, Komori S, Koyama K: Live birth from preantral follicle oocytes in cryopreserved mouse ovaries after IVG, IVM and IVF
<b>ICRI-07-1-4</b>	Peknicova J, Pexidrova M, Kubatova A, Tepla O, Draber P: Distribution of beta-tubulin in pathological human sperms

<b>ICRI-07-1-5</b>	Mollova M, Stamenova M, Rashev P: Biochemical nature of boar sperm antigen with functional activity in primary sperm-zona pellucida binding
<b>ICRI-07-1-6</b>	Capková Jana, Elzeinová Fatima, Novák Petr: Increased expression of secretory actin-binding protein (SABP) on human spermatozoa is associated with poor semen quality
<b>ICRI-07-1-7</b>	Garg M, Rana R, Jagadish N, Chaurasiya D, Hasegawa A, Koyama K, Suri A: Sperm associated antigen 9 (SPAG9) - potential candidate molecule for fertility control: Immunogenicity study of recombinant SPAG9 in a bonnet macaque ( <i>Macaca radiata</i> ).
<b>ICRI-07-1-8</b>	Fijak M, Lustig L, von Wulffen W, Iosub R, Guazzone VA, Schneider E, Meinhardt A, Rival C: Expression of costimulatory molecules, chemokine receptors and proinflammatory cytokines in dendritic cell population in normal and chronically inflamed rat testis.
<b>ICRI-07-1-9</b>	Lloyd M, O'Leary S, Robertson S, Shellam G: ZP3-specific antibody is a vital component of virally vectored immunocontraception induced by a recombinant murine cytomegalovirus expressing zona pellucida 3 in mice
<b>ICRI-07-1-10</b>	Poucková P, Hlousková D, Zadinova M, Matousek J, Soucek J: Biological and Cytostatic effects of some animal and plant nucleases and their PEG-conjugates
<b>ICRI-07-1-11</b>	Sudoma I., Chernyshov V., Zukin V.: Soluble HLA-G as a marker of embryo quality in IVF cycles
<b>ICRI-07-1-12</b>	Huang Z, Hyodo H, Nagamatsu T, Matsumoto J, Kawana K, Fujii T, Taketani Y: Effect of progesterone on the expression of HLA-E in human choriocarcinoma cell line
<b>ICRI-07-1-13</b>	Ilic Tomas M, Kucic N, Mahmutefendic H, Blagojevic G, and Lucin P.: Murine cytomegalovirus clear MHC class I molecules from the cell surface of infected cell and retrieve them in the juxtannuclear pre-late endosomal compartment
<b>ICRI-07-1-14</b>	Hedlund M, Stenqvist A-C, Nagaeva O, Baranov V, and Mincheva-Nilsson L.: Expression and release of the NKG2D ligands RAET1/ULBPs from human placenta
<b>ICRI-07-1-15</b>	Juretic Frankovic K, Laskarin G, Haller H, Vlastelic I, Le Bouteiller P, Rukavina D: Interactions between HLA-G molecule and decidual natural killer cells of human first trimester pregnancy
<b>ICRI-07-1-16</b>	Dionyssopoulou E, Athanassakis I: L-carnitine induces establishment or aggravation of endometriosis in a murine experimental model
<b>ICRI-07-1-17</b>	Mahmutefendic H, Blagojevic G, Kucic N, Ilic Tomas M, and Lucin P: Fully conformed MHC class I molecules and empty Ld molecules

	follow different routes in the endocytic pathway
<b>ICRI-07-1-18</b>	Mori T, Watanabe H, Kano T, Furudono M, Kikkawa R, Inoko H, Naruse T, Kimura A: Incompatibility of HLA-G may be associated with effectiveness of husband's lymphocyte therapy in recurrent spontaneous abortion
<b>ICRI-07-1-19</b>	Chernyshov VP, Tumanova LE, Sudoma IA, Bannikov VI: Immune regulation in human IVF-pregnancy with semi-allogenic and allogenic fetuses
<b>ICRI-07-1-20</b>	Blagojevic G, Mahmutefendic H, Le Bouteiller P, Kucic N, Ilic Tomas M and Lucin P.: Internalization and intracellular localization of HLA molecules
<b>ICRI-07-1-21</b>	Mori T, Watanabe H, Kano T, Furudono M, Kikkawa R, Inoko H, Naruse T, Kimura A: Significance of HLA genotyping to assess indication of alloimmunotherapy in recurrent spontaneous abortion
<b>ICRI-07-1-22</b>	Kyurkchiev D, Ivanova-Todorova E, Altankova I, Milachich T, Kyurkchiev S: Female reproductive steroid hormones influence the apoptosis and cytokine secretion by monocyte-derived mature dendritic cells
<b>ICRI-07-1-23</b>	Ivanova-Todorova E, Kyurkchiev D, Altankova I., Kyurkchiev S: Generation and characterization of new monoclonal antibody against progesterone induced blocking factor
<b>ICRI-07-1-24</b>	Antsiferova Y, Sotnikova N, Posiseeva L, Shishkov D.: Endometriosis and infertility: mechanisms of development
<b>ICRI-07-1-25</b>	Sotnikova N, Antsiferova Y, Posiseev D.: Cellular and molecular mechanisms of enhanced invasiveness of endometrial cells and it' role in the pathogenesis of endometriosis
<b>ICRI-07-1-26</b>	Calongos G, Hasegawa A, Koyama K: Anti zona pellucida antibodies impair mouse folliculogenesis and oocyte meiotic maturation in vitro
<b>ICRI-07-1-27</b>	Breckler L, Dunstan J, Prescott S.: Direct maternal-fetal immune interactions are affected by allergy and parity of the mother
<b>ICRI-07-1-28</b>	Bryniarski K, Ptak M, Szczepanik M, Szydło M,: Antigen-presenting function of testicular macrophages in contact sensitivity in vivo
<b>ICRI-07-1-29</b>	Nilkaeo A., Bhuvanath S., Siripakornvong, N., Inruedee, N.: The effects of non-steroidal anti-inflammatory drugs on inhibition of cell proliferation and induction of cytotoxicity, cell cycle arrest, and apoptosis in a human choriocarcinoma cell line
<b>ICRI-07-1-30</b>	Tanaka H, Komori S, Sakata K, Kasumi H, Koyama K: Studies on the androgen effect for the expression of macrophage inhibitory factor (MIF) and translationally controlled tumor protein (TCTP) in mouse Sertoli cells

<b>ICRI-07-1-31</b>	Dineva J, Vangelov I, Nikolov G, Konakchieva R, Stefanova Ts, Ivanova M: Study on the survival role of ANP-cGMP-P and NO in human periovulatory follicle
<b>ICRI-07-1-32</b>	Chishima.F, Hayakawa.S, Sugitani.M, Karasaki-Szuki.M, Sugita.K, Hiraiwa.Y Tamura.M. Nakazawa.T, Yamamoto.Y: Expression of inducible microsomal prostaglandin E synthase in local endometriosis lesions
<b>ICRI-07-1-33</b>	Mas Anne Elisabeth, Dubanchet Sylvie, Ledée –Bataille Nathalie, Fay Stéphanie and Gérard Chaouat: IL-23, IL-27 and TWEAK: potential regulators in a murine abortion system
<b>ICRI-07-1-34</b>	Gharesi-Fard B, Zolghadri J, Kamali-Sarvestani E: Effect of leukocyte therapy on alteration of cytokine production and its relation to pregnancy outcome
<b>ICRI-07-1-35</b>	Lombardelli L, Logiodice F, Agostinis C, Bossi F, Rizzi L, Maggi E, Romagnani S, Bulla R, Tedesco F, Piccinni MP: Trophoblast cells increase the proliferation and the IL-10 production of decidual T cells
<b>ICRI-07-1-36</b>	Matsumoto J, Kawana K, Schust DJ, Nagamatsu T, Iwasawa Y, Hyodo H, Fujii T, Taketani Y,: Expression of surface CD1d in the extravillous trophoblast cells of early gestation placenta is downregulated in a manner dependent on trophoblast differentiation
<b>ICRI-07-1-37</b>	Nilkaeo A., Bhuvanath S.: Inhibition of human placental trophoblast proliferation by tumor necrosis factor-alpha is mediated by the induction of cytotoxicity, cell cycle arrest and apoptotic cell death
<b>ICRI-07-1-38</b>	Jantra S, Bigliardi E, Brizzi R, Ietta F, Bechi N, Romagnoli R, Pellegrini A, Paulesu L: Interleukin 1 in oviductal tissues of non-mammalian vertebrates
<b>ICRI-07-1-39</b>	Nagamatsu T, Fujii T, Kawana K, Yamashita T, Kanai T, Matsumoto J, Hyodo H, Kozuma S, Taketani Y: Theoretical basis for herbal medicines in the treatment of recurrent abortion: Tokishakuyaku-san and Sairei-to enhance the production of Th1 cytokines and GM-CSF in decidual stromal cells.
<b>ICRI-07-1-40</b>	Cuchalova L, Rezacova J, Fiserova A; Madar J: Cytokine concentrations in women undergoing assisted reproduction technology as hypothetical marker of the success of ET
<b>ICRI-07-1-41</b>	Nikitina LA, Lukyanova EA, Buchulaeva NA, Cherepnina AL, Neizhko ES, Panina OB, Bochkov VN, Voloschuk IN: Abnormal villous tree development in fetal growth restriction is accompanied by increased VEGF expression
<b>ICRI-07-1-42</b>	Madar J, Stechova K, Cuchalova, L, Mardesic T, Snajderova M: Cytokines and chemokines in follicular fluid of women undergoing in



	vitro fertilization
<b>ICRI-07-1-43</b>	Kawana K, Schust DJ, Matsumoto J, Nagamatsu T, Iwasawa Y, Hyodo H, Taketani Y, Fujii T: Expression of CD1d and ligand-induced signaling are tissue-specific in mucosal epithelia of the human reproductive tract
<b>ICRI-07-1-44</b>	Hirata T, Osuga Y, Hamasaki K, Hirota Y, Nose E, Morimoto C, Yano T, Taketani Y: Expression of TLR2, 3, 4, and 9 genes in the human endometrium during the menstrual cycle
<b>ICRI-07-1-45</b>	Giavedoni L, Hodara V, Shen H, Parodi L, Saltzman W, and Goldberg E: DNA microparticles delivered intranasally prime mucosal and systemic anti-SIV immune responses and protect against infection in rhesus macaques
<b>ICRI-07-1-46</b>	M. Patel, B.S. Dunbar, S. Meaney, M. Otsyula, and S.T. Patel: Studies of HIV-1 Virus Positive Discordant Couples in Kenya.
<b>ICRI-07-1-47</b>	Cekinovic Đ, Bantug G, Bralic M, Tomac J, Pernjak-Pugel E, Britt W and Jonjic S: MCMV - Induced Encephalitis and Developmental Brain Disorders in Newborn Mice
<b>ICRI-07-1-48</b>	Georgieva R, Dimova T.: Implantation in pigs is associated with quantitative changes and specific recruitment of immune cells in endometrium
<b>ICRI-07-1-49</b>	Braunschweig A, Poehlmann TG, Juenemann K, Busch S, Schleussner E, Markert UR: NK cell cytotoxicity is reduced by STAT3 silencing and sHLA-G
<b>ICRI-07-1-50</b>	Laskarin G, Redzovic A, Rubesa Z, Juretic Frankovic K, Veljkovic D, Vlastelic I, Allavena P, Mantovani A, Rukavina D: Natural killer and dendritic cell interaction at the maternal-fetal interface
<b>ICRI-07-1-51</b>	P.Oger, N.Louafi, A.Portier, S.Dubanchet, R.Lombroso, M.Bailly, B.Wainer, A. Delanete, V. Madinier, G.Chaouat, N.Lédée: IL-18 in the luminal environment before IVF/ICSI-ET: new insight for unexplained infertility
<b>ICRI-07-1-52</b>	Veljkovic D, Laskarin G, Haller H, Saito S, Le Bouteiller P, Rukavina D: Regulation of granulysin protein expression in decidual NK cells by Th1 cytokines and antigen presenting cells
<b>ICRI-07-1-53</b>	Mihaylova A, Dimova T, Georgieva R: Innate immune cells distribution throughout porcine implantation

Tuesday, June 12<sup>th</sup>

<b>MAIN SESSION 4: CYTOKINES AND SIGNALING AT THE MATERNAL FETAL INTERFACE (continued)</b>	
<b>8,00 – 9,05</b>	Chairmen: <b>Guy Andre Voisin</b> (France) and <b>Surendra Sharma</b> (USA)
<b>MS4-3</b>	<b>Daniel Dufort, Canada:</b> Crucial roles for Wnt signaling in Implantation
<b>MS4-4</b>	<b>Petra Arck, Germany:</b> Stress and Reproduction: Role of Cytokines
<b>MS4-5</b>	<b>Udo Markert, Germany:</b> The STAT3/SOCS3 balance and trophoblast invasion
	Discussion


<b>MAIN SESSION 5: MUCOSAL IMMUNOLOGY OF THE FEMALE REPRODUCTIVE TRACT</b>	
<b>9,05 – 11,20</b>	Chairmen: <b>Charles R. Wira</b> (USA) and <b>Gottfried Dohr</b> (Austria)
<b>MS5-1</b>	<b>Eckhard R. Podack, USA:</b> Induction and regulation of mucosal immunity by HSP-gp96 and the TNF-receptor-family
<b>MS5-2</b>	<b>Charles R. Wira, USA:</b> Innate Immunity in the Human Female Reproductive Tract: Role of Sex Hormones in Innate Protection by Mucosal Epithelial Cells
	Discussion
<b>10,05 – 10,25</b>	Coffee break
<b>MS5-3</b>	<b>Susan Kovats, USA:</b> Estrogen regulates dendritic cell differentiation
<b>MS5-4</b>	<b>Charu Kaushic, Canada:</b> Effect of local microenvironment on susceptibility and immune responses to sexually transmitted viruses in the female genital tract
<b>MS5-5</b>	<b>Kenneth Rosenthal, USA:</b> Who stands on guard for thee? Innate protection against sexually transmitted infections in mice and humans
	Discussion

<b>MAIN SESSION 6: HIV AND REPRODUCTION</b>	
<b>11,20 – 13,00</b>	Chairmen: <b>Jiri Mestecky (USA)</b> and <b>Heinz W. Kunz (USA)</b>
<b>MS6-1</b>	<b>Jiri Mestecky, USA:</b> Humoral Immune Responses in HIV-infected Individuals
<b>MS6-2</b>	<b>Barbara Shacklett, USA:</b> HIV-specific CD8+ T-cell responses in mucosal tissues
<b>MS6-3</b>	<b>Elisabeth Menu, France:</b> Role of co-infections in mother-to-child transmission of HIV-1
<b>MS6-4</b>	<b>Gavin Morrow, USA:</b> The pros and cons of dendritic cells in HIV transmission
	Discussion
<b>13,00 – 14,00</b>	Lunch

<b>MAIN SESSION 7: NK CELLS IN IMPLANTATION</b>	
<b>14,00 – 16,15</b>	Chairmen: <b>Wayne Yokoyama (USA)</b> and <b>Angela Santoni (Italy)</b>
<b>MS7-1</b>	<b>Wayne Yokoyama, USA:</b> NK cell tolerance towards the fetus?
<b>MS7-2</b>	<b>Angela Santoni, Italy:</b> Mechanisms underlying NK cell accumulation in the human decidua
<b>MS7-3</b>	<b>Joanne Kwak-Kim, USA:</b> NK cell regulation and Type I propensity in women with recurrent pregnancy losses and infertility of multiple implantation failures
<b>MS7-4</b>	<b>Chandrakant Tayade, Canada:</b> Contributions of Endometrial Lymphocytes to Angiogenesis during Pregnancy
<b>MS7-5</b>	<b>Nathalie Ledee, France:</b> Cytokines and implantation: from paradigm to clinical application
<b>MS7-6</b>	<b>Surendra Sharma, USA:</b> A model for NK cells as killers not builders in pregnancy
	Discussion

<b>16,15 -16,35</b>	Coffee break
---------------------	--------------

<b>SELECTED ORAL PRESENTATIONS</b>	
<b>16,35 – 17,35</b>	Chairmen: <b>Rayna Georgieva</b> (Bulgaria) and <b>Satish K. Gupta</b> (India)
<b>SOP -1</b>	<b>Rayna Georgieva, Bulgaria:</b> Georgieva R, Dimova T.: Implantation in pigs is associated with quantitative changes and specific recruitment of immune cells in endometrium
<b>SOP -2</b>	<b>Megan Lloyd, Australia:</b> Lloyd M, O'Leary S, Robertson S, Shellam G.: ZP3-specific antibody is a vital component of virally vectored immunocontraception induced by a recombinant murine cytomegalovirus expressing zona pellucida 3 in mice
<b>SOP -3</b>	<b>Manoj Garg, India:</b> Garg M, Rana R, Jagadish N, Chaurasiya D, Hasegawa A, Koyama K, Suri A: Sperm associated antigen 9 (SPAG9) - potential candidate molecule for fertility control: Immunogenicity study of recombinant SPAG9 in a bonnet macaque ( <i>Macaca radiata</i> ).
<b>SOP -4</b>	<b>Irene Athanassakis, Greece:</b> Dionyssopoulou E, Athanassakis I: L-carnitine induces establishment or aggravation of endometriosis in a murine experimental model
<b>SOP -5</b>	<b>Takahide Mori, Japan:</b> Mori T, Watanabe H, Kano T, Furudono M, Kikkawa R, Inoko H, Naruse T, Kimura A: Significance of HLA genotyping to assess indication of alloimmunotherapy in recurrent spontaneous abortion
<b>SOP -6</b>	<b>Dobroslav Kyurkchiev, Bulgaria:</b> Kyurkchiev D, Ivanova-Todorova E, Altankova I, Milachich T, Kyurkchiev S: Female reproductive steroid hormones influence the apoptosis and cytokine secretion by monocyte-derived mature dendritic cells

Chairmen: <b>Herman Haller</b> (Croatia) and <b>Miljenko Kapovic</b> (Croatia)	
17,35 – 17,55	 <b>Gerard Chaouat, France:</b>  <b>EMBIC: European Network of Excellence</b>

18,00 – 19,00	<b>Meeting AASIR/ESRADI</b>
---------------	-----------------------------

20,00 – 22,00	<b>Posters viewing and discussions (Posters 54-104) (Hotel Admiral)</b>
	Moderators: <b>Thomas J. Gill III</b> (USA), <b>Jiri Mestecky</b> (USA), <b>Gil Mor</b> (USA), <b>Ljiljana Randic</b> (Croatia) and <b>Chairmen of the Main sessions (MS6-MS11)</b>

#### Poster Session

<b>ICRI-07-2-54</b>	Kestendjieva S, Kyurkchiev D, Mehandjiev Tz, Dimitrov A, Altankova I, Kyurkchiev S: Human umbilical cord stroma cells (UCos) differentiate into endothelial cells
<b>ICRI-07-2-55</b>	Dimitrov R, Timeva T, Stamenova M, Kyurkchiev D, Kyurkchiev S: Isolation and characterization of multipotent stromal cells from human decidua
<b>ICRI-07-2-56</b>	Mika Ito, Yasushi Sasaki, Daisuke Suzuki, Masatoshi Sakai, Tomoko Shima, Arihiro Shiozaki, Shigeru Saito: Proportion of peripheral blood- and decidual- CD4+CD25bright regulatory T cells and the expression of Toll like receptor 4 on interstitial extravillous trophoblast in pre-eclampsia
<b>ICRI-07-2-57</b>	Donskoi BV, Chernyshov VP, Gordienko IY, Tarapurova EN: Antiphospholipid antibodies in mother and fetus in fetal-placental abnormalities
<b>ICRI-07-2-58</b>	Schumacher A, Wafula PO, Teles A, Yagita H, Volk H-D, Zenclussen AC: IL-10 but not TGF- $\beta$ is essential for the suppressor function of Treg cells in murine pregnancy
<b>ICRI-07-2-59</b>	Wafula PO, Schumacher A, Teles A, Volk H-D, Zenclussen AC: Protective effect of Treg during murine pregnancy depends on Heme Oxygenase -1

<b>ICRI-07-2-60</b>	Dimova T, Nagaeva O and Mincheva-Nilsson, L.: Phenotypic characterization of peripheral blood - and decidual naturally occurring regulatory T cells from human normal early pregnancy
<b>ICRI-07-2-61</b>	Simsa P, Karaszi E, Fulop V, Petranyi G: Regulatory T cells in Recurrent spontaneous abortion
<b>ICRI-07-2-62</b>	Yamamoto T, Murase T, Chishima F, Kuno S, Ichikawa G: Effects of anti $\beta$ 2-GPI antibody positive sera on PlGF production from cultured choriocarcinoma cell line
<b>ICRI-07-2-63</b>	Popovic M, Teles A, Stancic O, Volk HD, Zenclussen AC: Mast-cell-associated genes Thp1, Mcpt1 and Mcpt5 are up-regulated after Treg-induced tolerance at the fetal-maternal interface: new role for mast cells in tolerance?
<b>ICRI-07-2-64</b>	Zenclussen ML, Rebelo S, Volk HD, Soares MP, Zenclussen AC: Heme oxygenase-1 (HO-1) may be involved in follicle development and fertility
<b>ICRI-07-2-65</b>	Haratym-Maj A, Wawrzycka MB, Wawrzycki B, Szpetnar M: The level of potentially immune-affecting free amino acids in preeclampsia
<b>ICRI-07-2-66</b>	Wawrzycka MB, Haratym-Maj A, Wawrzycki B, Szpetnar M: The level of plasma arginine-family free amino acids in preterm labor
<b>ICRI-07-2-67</b>	Teles A, Popovic M, Leber J, Stancic O, Volk HD, Zenclussen AC: Characterization of novel Treg-mediated mechanisms of tolerance at the feto-maternal interface
<b>ICRI-07-2-68</b>	Bubonja M, Abram M, Stenzel W, Rubesa-Mihaljevic R, Deckert M: Indoleamine 2,3-dioxygenase mRNA expression in different tissues of neonatal mouse during <i>Listeria monocytogenes</i> infection
<b>ICRI-07-2-69</b>	Roediger J, Busch S, Enkelmann A, Poehlmann TG, Schleussner E, Markert UR.: Signal Transducer and Activator of Transcription 3 (STAT3) in Jeg-3 choriocarcinoma cell lines: regulation of its serine and tyrosine phosphorylation balance
<b>ICRI-07-2-70</b>	Enkelmann A, Pöhlmann TG, Rödiger J, Schleussner E, Sedlmayr P, Rubio I, Markert UR.: ras-signaling in trophoblastic cells
<b>ICRI-07-2-71</b>	TG Poehlmann, S Bachmann, I Rudloff, C Neblung, DM Morales Prieto, E Schleussner, N Rodde, O Sandra, UR Markert: Invasive or not? The STAT3 - SOCS3 balance regulates trophoblast and choriocarcinoma behavior
<b>ICRI-07-2-72</b>	Busch S, Poehlmann TG, Enkelmann A, Roediger J, Schleussner E, Markert UR.: Rapamycin induces mTOR independent PI3K signaling

	increases invasiveness of trophoblast-like cells
<b>ICRI-07-2-73</b>	Nagymanyoki Z, Simsa P, Berkowitz R, Petranyi G, Fulop V: Immune cell profiling in normal pregnancy, partial and complete molar pregnancy
<b>ICRI-07-2-74</b>	Trobonjaca Z, Tosevski V, Sargent I, Haller H, Randic Lj, Rukavina D: Type 1 versus type 2 immune response balance of decidual innate and adaptive cells during first trimester of pregnancy
<b>ICRI-07-2-75</b>	Bossi F, Bulla R, Rizzi L, Radillo O, Agostinis C, Macor P, Debeus A, De Seta F, Wurzner R and Tedesco F: The seventh complement component is expressed on decidual endothelial cells membrane and exerts an anti-inflammatory action
<b>ICRI-07-2-76</b>	Radosevic-Stasic B, Mrakovcic-Sutic I, Jakovac H, Grebic D, Tomac J and Rukavina D: Endoplasmic reticulum-resident heat shock protein gp96, natural killer T and regulatory T cells as regulators of self-tissue damages induced by various types of injuries
<b>ICRI-07-2-77</b>	Osuga Y, Hirota Y, Hirata T, Koga K, Yoshino O, Morimoto C, Harada M, Takemura Y, Nose E, Yano T, Tsutsumi O, Taketani Y: The expression and possible roles of chemokine CXCL11 and its receptor CXCR3 in the human endometrium
<b>ICRI-07-2-78</b>	Brachwitz N, Fest S, Lode H, Zenclussen AC: Survivin expression during murine pregnancy
<b>ICRI-07-2-79</b>	Redzovic A, Laskarin G, Rubesa Z, Vlastelic I, Allavena P, Mantovani A, Rukavina D: Tumor associated glycoprotein-72 inhibits the maturation and induces anti-inflammatory properties of decidual CD1a+ dendritic cells.
<b>ICRI-07-2-80</b>	Mrakovcic-Sutic I, Jakovac H, Grebic D and Radosevic-Stasic B.: Enhancing effects of syngeneic pregnancy and peptidoglycan-monomer linked with zinc on regulatory T cells in the maternal liver
<b>ICRI-07-2-81</b>	Nakamura H., Jasper MJ. and Robertson SA.: Macrophage regulation of embryo adhesion molecule expression in human endometrial epithelial cells
<b>ICRI-07-2-82</b>	Rubesa Z, Laskarin G, Redzovic A, Veljkovic D, Haller H, Allavena P, Mantovani A, Rukavina D: Phenotypic and functional characteristic of the first trimester pregnancy decidual CD1a+ dendritic cells
<b>ICRI-07-2-83</b>	Jasper M, Sullivan B, Stocker A, Aplin J, Robertson S: Macrophage regulation of epithelial cell fucosyltransferase expression in mouse endometrium during early pregnancy
<b>ICRI-07-2-84</b>	Jakovac H, Grebic D, Mrakovcic-Sutic I, Rukavina D and Radosevic-

	Stasic B.: Enhanced expression of metallothioneins I/II in placenta and maternal liver, induced by syngeneic pregnancy and by peptidoglycan monomer linked with Zn in mice
<b>ICRI-07-2-85</b>	Kalkunte S, Norris W, Matthiesen L, Berg G, and Sharma S: A three dimensional invitro model system as a predictive assay for pregnancy-related complications
<b>ICRI-07-2-86</b>	Grebic D, Jakovac H, Stasic N, Pugel E, Jonjic N, Krasevic M, Mrakovic-Sutic I and Radosevic-Stasic B: Altered expression of metallothioneins I/II and HLA-DR in uterine cervical squamous lesions
<b>ICRI-07-2-87</b>	Wang CC, Yim KW, Poon TCW, Choy KW, Chu CY, Lui WT, Leung TN, Lau TK, Rogers MS: The role of lectin-complement pathway in innate immune responses in clinical preeclampsia
<b>ICRI-07-2-88</b>	Darmochwal-Kolarz D, Leszczynska-Gorzela B, Rolinski J, Oleszczuk J.: Dendritic cells, Interleukin-12 and soluble CD40 Ligand in pre-eclampsia
<b>ICRI-07-2-89</b>	Nardi FS, Michelon T, Souza T, Silveira J, Canabarro R, Sporleder H, Graudenz M, Neumann J.: Comparison of peripheral blood and endometrial NK cells specific markers' expression between Recurrent Spontaneous Abortion and Primary Infertility Women
<b>ICRI-07-2-90</b>	Ghali L, Iles RK, Lund T, Naase M, Roitt IM, Delves PJ: Is human chorionic gonadotropin (hCG) truly a tumor-associated antigen in non-germ cell tumors?
<b>ICRI-07-2-91</b>	Harada K, Tanaka H, Tsuji Y, Koyama K: Analysis of the relationship between ureaplasma infection and premature birth
<b>ICRI-07-2-92</b>	Pereza N, Ostojic S, Volk M, Kapovic M, Peterlin B: Igf2 and H19 gene polymorphisms in couples with recurrent spontaneous abortion
<b>ICRI-07-2-93</b>	Michelon T, Adamy R, Schiavo T, Wagner S, Nardi FS, Silveira J, Canabarro R, Sporleder H, Graudenz M, Neumann J.: Counting T lymphocytes, B lymphocytes and Natural Killer cells in peripheral blood and endometrium in Recurrent Spontaneous Abortion and infertile patients
<b>ICRI-07-2-94</b>	Cherie C. Ocampo, MD and Lara Theresa A. Aleta: Autoimmune Thyroiditis Developing in a Survivor of Catastrophic Antiphospholipid Syndrome: A Case Report
<b>ICRI-07-2-95</b>	Németh J, Miklós K, Szabó Zs, Kanyó K, Konc J: Frequency of autoantibodies in unsuccessful in vitro fertilisation
<b>ICRI-07-2-96</b>	Padanyi A, Rajczy K, Gyodi E, Fulop V, Jakab J, Hoffer I, Toth A,



	Hriczko J: Are alloantibodies harmless beside the induction of operative tolerance by partner specific platelet transfusion in RSA with proved alloreactive background?
<b>ICRI-07-2-97</b>	Kotlan B, Padanyi Á, Batorfi J, Buzas P M, Rajczy K, Miklos K, Simsa P, Nemeth J, Gyodi E, Reti M, Fulop V and Petranyi Gy.: Defining alloimmune and autoimmune background in recurrent pregnancy loss leads to successful intravenous immunoglobulin immunotherapy.
<b>ICRI-07-2-98</b>	Smiljan Severinski N, Vlastelic I, Tramisak Milakovic T, Ljiljak D, Vlastic H, Radojcic Badovinac A: Rheumatoid arthritis and pregnancy after assisted reproductive technology - case report
<b>ICRI-07-2-99</b>	Jezek D, Bilic E, Grahovac G, Semanjski K, Knezevic N.: Macrophages and blood vessels in testicular biopsies of patients with non-obstructive azoospermia
<b>ICRI-07-2-100</b>	Bhushan S, Tchatalbachev S, Klug J, Chakraborty T, Pineau C, Meinhardt A: Uropathogenic E.coli but not commensale E.coli infection activates TLR-4 MyD independent signaling pathways in rat testicular cells
<b>ICRI-07-2-101</b>	Paparistidis N, Papadopoulou C, Papaioannou D, Chioti A, Tsekoura Ch, Keramitsoglou Th, Agapitos E, Kontopoulou-Antonopoulou V, Balafoutas C, Varla-Leftherioti M: Relation of increased peripheral blood NK cells at the time of abortion with placental histological lesions
<b>ICRI-07-2-102</b>	Ostojic S, Volk M, Medica I, Meden-Vrtovec H, Pereza N, Kapovic M, Peterlin B: Polymorphisms in the Interleukin-12 and IL-18 Genes and Recurrent Spontaneous Abortion
<b>ICRI-07-2-103</b>	Peterlin B, Ostojic S, Medica I, Volk M, Pereza N, Kapovic M: Genetic polymorphisms in RSA susceptibility - a systematic review of immunity-related genes
<b>ICRI-07-2-104</b>	Talwar G P, Vyas H K, Kabeer R S, Chopra P, Kumar Lalit: Immunotherapy of advanced stage tumours of diverse origin by a recombinant chimeric antibody against $\beta$ -hCG without cross-reaction with healthy cells.

Wednesday, June 13<sup>th</sup>

8,00 – 10,10	SELECTED ORAL PRESENTATIONS
Chairmen: <b>Peter M. Johnson</b> (UK) and <b>Maciej Kurpisz</b> (Poland)	
<b>SOP -7</b>	<b>Pero Lucin, Croatia:</b> Blagojevic G, Mahmutefendic H, Le Bouteiller P, Kucic N, Ilic Tomas M and Lucin P.: Internalization and intracellular localization of HLA molecules
<b>SOP -8</b>	<b>Fumihisa Chishima, Japan:</b> Chishima.F, Hayakawa.S, Sugitani.M, Karasaki-Szuki.M, Sugita.K, Hiraiwa.Y Tamura.M. Nakazawa.T, Yamamoto.Y: Expression of inducible microsomal prostaglandin E synthase in local endometriosis lesions
<b>SOP -9</b>	<b>Gerard Chaouat, France:</b> Mas Anne Elisabeth, Dubanchet Sylvie, Ledée –Bataille Nathalie, Fay Stéphanie and Gérard Chaouat: IL-23 ,IL-27 and TWEAK :potential regulators in a murine abortion system
<b>SOP -10</b>	<b>Junko Matsumoto, Japan:</b> Matsumoto J, Kawana K, Schust DJ, Nagamatsu T, Iwasawa Y, Hyodo H, Fujii T, Taketani Y: Expression of surface CD1d in the extravillous trophoblast cells of early gestation placenta is downregulated in a manner dependent on trophoblast differentiation
<b>SOP -11</b>	<b>Erwin Goldberg, USA:</b> Giavedoni L, Hodara V, Shen H, Parodi L, Saltzman W, and Goldberg E: DNA microparticles delivered intranasally prime mucosal and systemic anti-SIV immune responses and protect against infection in rhesus macaques
<b>SOP -12</b>	<b>Bonnie Dunbar, Kenya:</b> M. Patel, B.S. Dunbar, S. Meaney, M. Otsyula, and S.T. Patel: Studies of HIV-1 Virus Positive Discordant Couples in Kenya.
<b>SOP -13</b>	<b>Paul Oger, France:</b> P.Oger, N.Louafi, A.Portier, S.Dubanchet, R.Lombroso, M.Bailly, B.Wainer, A. Delanete, V. Madinier, G.Chaouat, N.Lédée: IL-18 in the luminal environment before IVF/ICSI-ET:

	new insight for unexplained infertility
<b>SOP -14</b>	<b>Gordana Laskarin, Croatia:</b> Laskarin G, Redzovic A, Rubesa Z, Juretic Frankovic K, Veljkovic D, Vlastelic I, Allavena P, Mantovani A, Rukavina D: Natural killer and dendritic cell interaction at the maternal-fetal interface
<b>SOP -15</b>	<b>Anne Braunschweig, Germany:</b> Braunschweig A, Poehlmann TG, Juenemann K, Busch S, Schleussner E, Markert UR: NK cell cytotoxicity is reduced by STAT3 silencing and sHLA-G
<b>SOP - 16</b>	<b>Victor Chernyshov, Ukraine:</b> Chernyshov VP, Tumanova LE, Sudoma IA, Bannikov VI: Immune regulation in human IVF-pregnancy with semi-allogenic and allogenic fetuses
<b>SOP -17</b>	<b>Anne Schumacher, Germany:</b> Schumacher A, Wafula PO, Teles A, Yagita H, Volk H-D, Zenclussen AC: IL-10 but not TGF- $\beta$ is essential for the suppressor function of Treg cells in murine pregnancy

10,10 – 10,35	Coffee break
---------------	--------------

<b>MAIN SESSION 8: REGULATORY MECHANISMS IN PREGNANCY</b>	
<b>10,35 – 12,30</b>	Chairmen: <b>David Clark</b> (Canada) and <b>Gil Mor</b> (USA)
<b>MS8-1</b>	<b>Gil Mor, USA:</b> Trophoblast-immune interactions: the role of TLRs during pregnancy
<b>MS8-2</b>	<b>Sarah Robertson, Australia:</b> Role of male seminal factors in establishing maternal immune tolerance for pregnancy
<b>MS8-3</b>	<b>Kenneth Tung, USA:</b> How do the CD4+CD25+Foxp3+ regulatory T cells maintain tolerance
<b>MS8-4</b>	<b>Peter Sedlmayr, Austria:</b> Indoleamine 2,3-dioxygenase in immunoregulation
<b>MS8-5</b>	<b>Alexander Betz, UK:</b> Regulatory benefits of pregnancy
	Discussion
12,30 – 13,30	Lunch

14,00 – 22,00	Excursion and dinner
---------------	----------------------

Thursday, June 14<sup>th</sup>

<b>MAIN SESSION 9: INFLAMMATION AND IMPLANTATION</b>	
<b>8,00 – 9,55</b>	Chairmen: <b>Alberto Mantovani (Italy)</b> and <b>Francesco Tedesco (Italy)</b>
<b>MS9-1</b>	<b>Alberto Mantovani, Italy:</b> Chemokine tuning at the fetal-maternal interface
<b>MS9-2</b>	<b>Francesco Tedesco, Italy:</b> The complement system at the feto-maternal interface: friend or foe?
<b>MS9-3</b>	<b>Kenneth Beaman, USA:</b> Mechanism for non-receptor driven immune activation in pregnancy
<b>MS9-4</b>	<b>Pier-Luigi Meroni, Italy:</b> Anti-phospholipid antibody-mediated fetal loss: direct effect of the autoantibodies on trophoblast and decidual cells
<b>MS9-5</b>	<b>Guillermina Girardi, USA:</b> Inflammation induces pregnancy failure and growth restriction. Complement inhibition as a possible target for therapy
	Discussion
<b>9,55 – 10,15</b>	Coffee break

<b>MAIN SESSION 10: IMMUNOLOGY OF PREECLAMPSIA</b>	
<b>10,15 – 12,30</b>	Chairmen: <b>Ian Sargent (UK)</b> and <b>Tsunehisa Makino (Japan)</b>
<b>MS10-1</b>	<b>Pierre-Yves Robillard, France:</b> Evolution of ideas in the pathophysiology of preeclampsia
<b>MS10-2</b>	<b>Ian Sargent, UK:</b> NK cells and the maternal inflammatory response in pre-eclampsia
<b>MS10-3</b>	<b>Christopher Redman, UK:</b> Microparticles and pre-eclampsia
<b>MS10-4</b>	<b>Susan Hiby, UK:</b> Combinations of maternal KIR genes and fetal HLA-C alleles influence reproductive success: studies of pre-eclampsia, fetal growth restriction and recurrent miscarriage
<b>MS10-5</b>	<b>Silvia Daher, Brazil:</b> Cytokines, gene polymorphisms and

	preeclampsia
	Discussion
12,30 – 13,30	Lunch

<b>MAIN SESSION 11: CLINICAL IMMUNOLOGY</b>	
<b>13,30 – 14,30</b>	Chairmen: <b>Carolyn Coulam (USA)</b> and <b>Pran G. Talwar (India)</b>
<b>MS11-1</b>	<b>Carolyn Coulam, USA:</b> New Insights into the etiology and diagnosis of implantation failure
<b>MS11-2</b>	<b>Toshitaka Sugi, Japan:</b> Autoantibodies to factor XII and kininogens in patients with recurrent pregnancy losses
<b>MS11-3</b>	<b>Pran G. Talwar, India:</b> Praneem polyherbal vaginal tablets cure 70-95% of vaginosis /vaginitis caused by a large spectrum of Reproductive tract and sexually transmitted infections
	Discussion

<b>14,30 – 15,30 SELECTED ORAL PRESENTATIONS</b>	
Chairmen: <b>Peter Hansen (USA)</b> and <b>Takahide Mori (Japan)</b>	
<b>SOP -18</b>	<b>Tanya Dimova, Sweden:</b> Dimova T, Nagaeva O and Mincheva-Nilsson, L: Phenotypic characterization of peripheral blood - and decidual naturally occurring regulatory T cells from human normal early pregnancy
<b>SOP -19</b>	<b>Tobias G Poehlmann, Germany:</b> TG Poehlmann, S Bachmann, I Rudloff, C Neblung, DM Morales Prieto, E Schleussner, N Rodde, O Sandra, UR Markert: Invasive or not? The STAT3 - SOCS3 balance regulates trophoblast and choriocarcinoma behavior
<b>SOP -20</b>	<b>Zlatko Trobonjaca, Croatia:</b> Trobonjaca Z, Tosevski V, Sargent I, Haller H, Randic Lj, Rukavina D: Type 1 versus type 2 immune response balance of decidual innate and adaptive cells during first trimester of pregnancy
<b>SOP -21</b>	<b>Fleur Bossi, Italy:</b> Bossi F, Bulla R, Rizzi L, Radillo O, Agostinis C, Macor P, Debeus A, De Seta F, Wurzner R and Tedesco F: The seventh complement component is expressed on decidual endothelial cells membrane and

	exerts an anti-inflammatory action
<b>SOP -22</b>	<b>Satyan Kalkunte, USA:</b> Kalkunte S, Norris W, Matthiesen L, Berg G, and Sharma S: A three dimensional invitro model system as a predictive assay for pregnancy-related complications
<b>SOP -23</b>	<b>Biserka Radosevic-Stasic, Croatia:</b> Radosevic-Stasic B, Mrakovcic-Sutic I, Jakovac H, Grebic D, Tomac J and Rukavina D: Endoplasmic reticulum-resident heat shock protein gp96, natural killer T and regulatory T cells as regulators of self- tissue damages induced by various types of injuries

15,30 – 15,50	Coffee break
---------------	--------------

<b>15,50 – 16,40</b>	<b>SELECTED ORAL PRESENTATIONS</b>
Chairmen: <b>Joanne Kwak-Kim</b> (USA) and <b>Sarah Robertson</b> (Australia)	
<b>SOP -24</b>	<b>Borut Peterlin, Slovenia:</b> Peterlin B, Ostojic S, Medica I, Volk M, Pereza N, Kapovic M: Genetic polymorphisms in RSA susceptibility - a systematic review of immunity-related genes
<b>SOP -25</b>	<b>Ronald Wang, China:</b> Wang CC, Yim KW, Poon TCW, Choy KW, Chu CY, Lui WT, Leung TN, Lau TK, Rogers MS: The role of lectin-complement pathway in innate immune responses in clinical preeclampsia
<b>SOP -26</b>	<b>Peter Delves, UK:</b> Ghali L, Iles RK, Lund T, Naase M, Roitt IM, Delves PJ: Is human chorionic gonadotropin (hCG) truly a tumor-associated antigen in non-germ cell tumors?
<b>SOP -27</b>	<b>Beatrix Kotlan, Hungary:</b> Kotlan B, Padanyi Á, Batorfi J, Buzas P M, Rajczy K, Miklos K, Simsa P, Nemeth J, Gyodi E, Reti M, Fulop V and Petranyi Gy.: Defining alloimmune and autoimmune background in recurrent pregnancy loss leads to successful intravenous immunoglobulin immunotherapy.
<b>SOP -28</b>	<b>Nikolaos Papatistidis, Greece:</b>

	Paparistidis N, Papadopoulou C, Papaioannou D, Chioti A, Tsekoura Ch, Keramitsoglou Th, Agapitos E, Kontopoulou-Antonopoulou V, Balafoutas C, Varla-Leftherioti M: Relation of increased peripheral blood NK cells at the time of abortion with placental histological lesions
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

<b>16,40</b>	<b>ISIR Assembly, Best poster awards</b>
--------------	------------------------------------------

<b>20,30 – 23,00</b>	<b>Farewell dinner in the Main restaurant of the Grand Hotel Adriatic Dancing Music</b>
----------------------	---------------------------------------------------------------------------------------------

### **INFORMATION FOR PRESENTERS**

All Lectures of the Main Sessions and Selected Oral Presentations will be delivered in the **Main Congress Hall** of the Grand Hotel Adriatic according to the Final Program.

Please check your Power Point Presentation in the **Slide Room Camelia** before presentation. In Camelia, there will be members of the Congress Secretariat Committee to assist you.

Camelia (Slide Room) working hours:

Monday, June 11<sup>th</sup> : 7,30-18,45  
Tuesday, June 12<sup>th</sup> : 7,30-18,45  
Wednesday, June 13<sup>th</sup>: 7,30-12,30  
Thursday, June 14<sup>th</sup>: 7,30-16,40

Presentations should be given to the Secretariat on CD or on memory stick to the member of the Local Organizing Committee in the Main Congress Hall in the morning 7,30-7,50 or during (morning, afternoon) coffee breaks.

Each participant is kindly asked to respect the time of presentation since the schedule is tight.



### INFORMATION FOR POSTER PRESENTATIONS

Authors are kindly requested to **display posters at 7,30 in the morning** in the **Hotel Admiral** (few minutes walking distance from the Hotel Adriatic):

on **Monday, June 11th**: posters **1-53**,  
on **Tuesday, June 12th**: posters **54-104**

on the poster board **indicated by the number corresponding to the number from the Final Program.**

Please refer to the Final Program for the poster board number assigned to you and use the board with the same number. Posters will be displayed during the day.

**Posters viewing and discussions** will be organized at the Hotel Admiral on:  
**Monday, June 11th** (Posters 1-53), in the evening 20,00-22,00  
**Tuesday, June 12th** (Posters 54-104), in the evening 20,00-22,00.

All participants are invited to wine and beer tasting, sponsored by

**Jasika** d.o.o.

A complimentary ticket will be included in each registrant's packet.

At the end of the Poster Session authors are kindly asked to remove their poster.

## **SOCIAL EVENTS**

The Local Organizing Committee cordially invites you to participate in the Social Events:

### **Opening Ceremony**

**Sunday, June 10th** at 19,00 (7 P.M.)  
Main Congress Hall of the Grand Hotel Adriatic

Following the **Presidential Address** and **welcome speeches** a concert will be held:

#### ***TRIO CLASSICO***

*Paola Radin, flute*

*Tonči Trinajstić, clarinet*

*Roberto Haller, piano*

#### *Program:*

*G. Bizet: Entr'acte from «Carmen»*

*P.A. Genin: «Duo Concertante»*

*D. Šostakovič: «Valcers»*

After the Concert all participants are invited to the Welcome Cocktail.

**Optional half day excursion with dinner included**

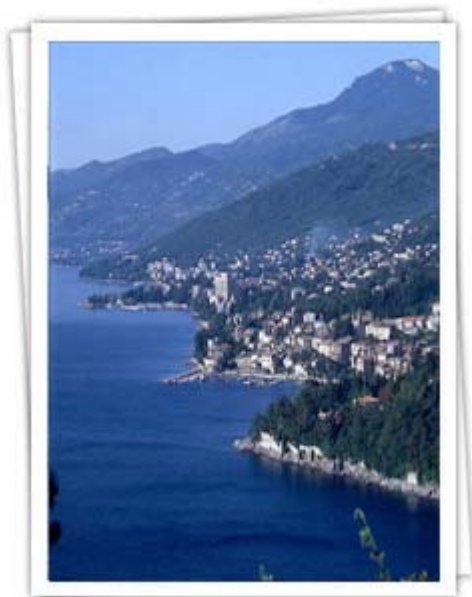
**Wednesday, June 13th - at 14,00 (2 P.M.)**

Departure from Hotel Adriatic at 14<sup>00</sup> hrs, return to Opatija at approximately 22<sup>00</sup>.

If the weather permits Kvarner Bay Cruise will be organized.



Starting from Opatija (Hotel Admiral), sailing along the Kvarner Bay, welcome drink included.



Dinner will be at the Comodore Restaurant in the Yacht Club at Ičići. There will also be live music.

The excursion promises a relaxing and enjoyable journey through picturesque scenery.

As a number of places is limited, please make reservation in advance at the Congress Desk.

The price is 50 Euros.

**Farewell dinner**  
at the Main Restaurant of the Grand Hotel Adriatic.

**Thursday, June 14th** - at 20,30 (8,30 P.M.)

Bring your dancing shoes!

The last night of the Congress promises to be a memorable event. Enjoy lively music and an unforgettable evening with friends.

If you would like to join us, a ticket for this event may be purchased in advance at the Congress Desk.

The price is 30 Euros.

## **GENERAL INFORMATION**

### **Congress Registration Desk**

Location: Main Congress Hall

Office hours:

Sunday, June 10 <sup>th</sup>	14,30 – 18,45
Monday, June 11 <sup>th</sup>	7,30 – 18,45
Tuesday, June 12 <sup>th</sup>	7,30 – 15,30
Wednesday, June 13 <sup>th</sup>	7,30 – 12,30
Thursday, June 14 <sup>th</sup>	7,30 – 12,30

Registration Desk services:

- Registration
- Information
- Payment of the late Registration fee
- Reservation for half a day excursion
- Reservation for Farewell Dinner

### **Congress package**

The congress package will be distributed to the registered participants at the Congress Registration desk and will contain: Congress bag, American Journal of Reproductive Immunology - Abstract Book, Final Program, name badge, lunch coupons, complimentary tickets for welcome drinks during Poster Sessions (Hotel Admiral).

Tickets for the Excursion and Farewell Dinner can be ordered at the Registration Desk.

**Congress Office** is in the "Collegium" Hall (next to the Hotel reception desk)

Office hours:

Monday, June 11 <sup>th</sup>	14,00 – 18,45
Tuesday, June 12 <sup>th</sup>	14,00 – 18,45
Thursday, June 14 <sup>th</sup>	7,30 – 18,00

Congress office services:

The use of a computer, photocopying, information on travel arrangements, certificates of attendance, etc.

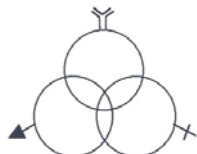
**Congress language** The official language is English.

**Coffee breaks** Free coffee will be served for participants each day during breaks in the morning and afternoon according to the program.

**Lunch** Luncheons will be served at the Main Hotel Restaurant. Please check your lunch coupons.

## **ACKNOWLEDGEMENT TO THE SPONSORS**

The Organizing Committee wishes to thank the following institutions and companies for their valuable support to the X International Congress of Reproductive Immunology



**INTERNATIONAL SOCIETY FOR  
IMMUNOLOGY OF REPRODUCTION (ISIR)**

**CROATIAN MINISTRY OF SCIENCE, EDUCATION AND SPORTS  
THE UNIVERSITY OF RIJEKA, MEDICAL FACULTY, CROATIA**

**THE COUNTY OF THE PRIMORJE AND GORSKI KOTAR**

**CITY OF RIJEKA**

**CROATIAN NATIONAL TOURIST BOARD**

**THE KVARNER COUNTY TOURISM OFFICE**

**TOURISM OFFICE OPATIJA**





American Journal of Reproductive Immunology



Organon is a global leader in the creation of innovative prescription medicines for gynecology, fertility, neuroscience and anesthesia - products that contribute to the health of people and their quality of life.



BD Biosciences, a segment of Becton, Dickinson and Company, is one of the world's leading businesses focused on bringing innovative tools to life science researchers and clinicians. Its product lines include: flow cytometers, cell imaging systems, monoclonal antibodies, research reagents, diagnostic assays, and tools to help grow tissue and cells.



Medias is company proud to represent major international companies in local market, like BD, Dade Behring, Fresenius Kabi, Laboratoires Besines and several other major players in area of medical devices. Cooperating with Medias means being among friends.



The Applied Biosystems business is focused on the following markets: basic research, commercial research (pharmaceutical and biotechnology) and standardized testing, including forensic human identification, paternity testing and food testing. The company has an installed base of approximately 180,000 instrument systems in nearly 100 countries.

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





**PLIVA** is the largest pharmaceuticals company by turnover in Central and Eastern Europe with headquarters located in Zagreb, Croatia

Solvay  
Pharmaceuticals



Belupo, the second-largest pharmaceutical producer in Croatia, is the country leading seller of both cardiovascular and dermatological drugs. Belupo focuses on the manufacturing and marketing of pharmaceutical products. Belupo d.d. is a joint stock company seated in the central town of Koprivnica. During the 2006 Belupo celebrated its 35th anniversary. Through organization and hard

work, Belupo is constantly adopting the newest business practices in both domestic and international markets. Belupo has attained its status as one of the leading medicine producers in central and southeastern Europe. Due to a number of factors: Belupo has invested in constant strategic development, the expansion of its export activities, the ceaseless upgrading of its security system and quality control, the continual specialized education of its employees, and the enlargement of its production capacity.



LKB is company dedicated to Supply, Production, Distribution and Customer Services in Life Science as well in RoutineMedical Diagnostics.





[www.olympus-europa.com](http://www.olympus-europa.com)

Optical technology has been the starting point for business throughout Olympus' 80-years old history, from the first microscope made in Japan to cameras, endoscopes, analysers... Over the course

of time, each of these products has become associated with digital technology and comprehensive applications, in short, a complete integration of traditional optical and advanced digital technology which has placed Olympus into a leading position with specialised technology unrivaled throughout the world.

Still, Olympus does not pursue technology for only technology's sake, but discovering the needs of people and society along with environmental orientation, contributes to creation of new values and improves the quality of life. This is the Olympus vision of authentic innovation.



[www.jgl.hr](http://www.jgl.hr)



HD is company specialising in the manufacture of high quality clinical chemistry reagents. The company was formed in 1997 as a joint venture between Herbos d.d. , Croatia and Trace Scientific Ltd., Australia. In 1998 the company Trace was acquired by Thermo Electron Inc., USA.

HD now produces wide range of products for medical diagnostic market and represent Thermo company in local market with a number laboratory equipment for clinical and research laboratories. HD is accredited to ISO9001:2000 level and Good Manufacturing Practice. The extensive experience in all aspects of the quality standard is reflected in our finished products.





COPAN ZAGREB D.O.O. was established 15 years ago. We are trading company, predominantly engaged in supplying laboratories of any kind: medical, scientific, research, educational, laboratories in food

processing industry, pharmaceutical industry, beverage industry etc.

Besides common laboratory and medical disposable products – glassware, plastic ware, chemicals and microbiological culture media - we also supply our customers with laboratory furniture, laboratory equipment and related accessories.

The firm COPAN already represent a number of renowned companies on Croatian market: Copan, Italy; Kartell, Italy; Macherey-Nagel, Germany; TPP, Switzerland; Raven, USA; Eutech, Singapore; Acculab, Germany; LAB M, UK; F.LLI GALLI, Italy. For all articles we sell, we also provide technical support, assistance and service for equipment. Our goal is to offer complete service i.e. to give our clients a fair chance to meet their requirements at one place.

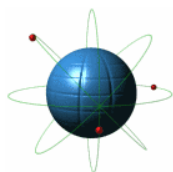


For years Ru-Ve has been an authorized distributor of the best European manufactures. Ru-Ve is in cooperation with a few specialized wholesalers in Europe.

Jasika d.o.o. is authorised distributor for numerous renowned medical diagnostics manufacturers like Innogenetics, Cepheid, RnD Systems, Novocastra, Syngene, e-Bioscience, Chromsystems, Euroclone

**Jasika** d.o.o.





*KemoLab d.o.o.*

Kemolab d.o.o. is a trading company selling laboratory equipment and accessories, consumables and diagnostics of the world known producers, in the territory of ex Yugoslavia, i.e.: Croatia, Slovenia, Bosnia

and Herzegovina, Serbia, Macedonia and Monte Negro. Kemolab has many years of experience in sale and service of: Ion Chromatograph Systems (Dionex Corp., USA); HPLC systems (Dionex Sofrton, Germany); Water Purification Systems (Labconco Corp., USA); LH - pipettes, tips (Gilson, France); Syringes (Hamilton Bonaduz, Switzerland); Diagnostic Products (Euroimmun, Germany).

Kemolab also provides customers with technical support, service and maintenance of the equipment and accessories sold.

The company was founded in 1990. and since then succesfully helps customers in their laboratory work.

[www.kemolab.hr](http://www.kemolab.hr)

Potočnjakova 3, 10020 Zagreb, Tel./Fax. +385 1 660 52 33, e-mail:[kemolab@kemolab.hr](mailto:kemolab@kemolab.hr)

**KSU Company** d.o.o.



*Jamnica*

**LAGUNA**<sup>®</sup>  
*Histria*

**ISTRAVINO**



## PARTICIPATING COUNTRIES



Australia



Austria



Belgium



Bosnia and Herzegovina



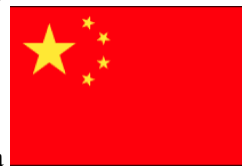
Brazil



Bulgaria



Canada



China



Croatia



Czech Republic



France



Germany



Greece



Hungary



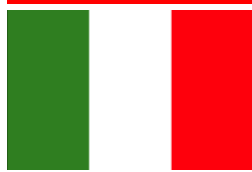
India



Iran



Italy



Kenya



Poland



Slovenia



Spain



Thailand



Indonesia



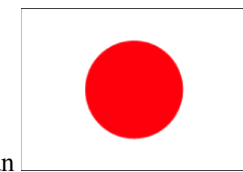
Ireland



Japan



Philippines



Russian Federation



South Africa



Sweden



UK



Ukraine

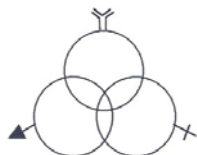
Venezuela



USA







**INTERNATIONAL SOCIETY FOR  
IMMUNOLOGY OF REPRODUCTION (ISIR)**

**WELCOME TO THE SOCIETY!**

**Membership Application Form**

*First name:* \_\_\_\_\_ *Last name:* \_\_\_\_\_

*Title/position:* \_\_\_\_\_

*Institution:* \_\_\_\_\_

*Address:* \_\_\_\_\_

*City:* \_\_\_\_\_

*Zip code:* \_\_\_\_\_ *Country:* \_\_\_\_\_

*Phone:* \_\_\_\_\_ *Fax:* \_\_\_\_\_

*E-mail:* \_\_\_\_\_ *Signature:* \_\_\_\_\_

Two members of the Society who are willing to support the application and to confirm that the applicant has an active interest in the field of reproductive immunology:

**SPONSOR 1 / MENTOR:**

*Signature:* \_\_\_\_\_ *Date:* \_\_\_\_\_

**SPONSOR 2:**

*Signature:* \_\_\_\_\_ *Date:* \_\_\_\_\_

**THE CANDIDATE SHOULD INCLUDE A CURRICULUM VITAE.**

**Please submit application to:**

**Professor Charles R. Wira, Secretary - General to ISIR**

Department of Physiology, Dartmouth Medical School,  
One Medical Center Drive Borwell Building, Lebanon,

NH 03756-0001, USA, Phone: ++603 650 7717, Fax: ++603 650 6130,  
E-mail: [Charles.R.Wira@Dartmouth.EDU](mailto:Charles.R.Wira@Dartmouth.EDU)