

**Third European Congress of Reproductive Immunology (held jointly
with the BSI-RIG Group, 6th ESRADI Congress and
10th AASIR Congress)**

Program

Sunday 11 September, 2005

15:00 onwards

Arrival and accommodation in South Court
Registration in LTB Foyer

17:30

Drinks and reception in LTB6

18:30

Welcome to the University of Essex: Prof Nelson Fernández

18:35

“Images of England” by Stephen Taylor

18:50

Introduction to the Conference: Prof Peter Johnson

Keynote speaker: J. Lee Nelson (USA)
The Long-Term Impact of Fetal-Maternal Cell Traffic during Pregnancy

20:00

Dinner

Monday 12 September 2005**Reproductive Immunology Group (RIG) session of the British Society for Immunology (BSI)****(Posters will be displayed throughout the conference)****Immunogenetics in Reproduction**

9:00–10:00	COFFEE & REGISTRATION
10:00	Chairperson: Gary Entrican (UK) <i>Welcome and introduction</i> Venue: LTB10
10:00–10:30	Nelson Fernandez (UK) <i>Ontogeny of MHC during development, in mice and humans</i>
10:30–10:45	<u>A. Blaschitz</u> ¹ , H Juch, A Volz, H Hutter, G Dohr (Germany) <i>Intron-4 containing HLA-G is not detectable in trophoblast conditioned media (selected abstract presentation)</i>
10:45–11:00	<u>H Hutter</u> , M Siwetz, A Blaschitz, G Dohr (Austria) <i>Detection of HLA-E and HLA-G expression in human placental tissue (selected abstract presentation)</i>
11:00–11:30	Coffee (30 minutes)
11:30–12:00	Geoff Butcher (UK) <i>Transcriptional profiling of uterine and blood NK cells from syngeneic and allogeneic pregnancy</i>
12:00–12:30	Andreas Ziegler (Germany) <i>Mate selection, olfactory receptors, and the MHC</i>
12:30–13:30	LUNCH (60 minutes)
13:30	Chairperson Ian Sargent (UK)
13:30–14:00	Shirley Ellis (UK) <i>The role of MHC class I genes in normal and cloned cattle pregnancy</i>
14:00–14:30	Ashley Moffett (UK) <i>Influence of KIR and HLA-C genes on reproductive success</i>
14:30–15:00	John Trowsdale (UK) <i>Genetic and functional relationships between MHC and NK receptor genes and their products</i>
15:00–15:30	Tea (30 minutes)

15:30–16:00	Kathryn Wood (UK) <i>Regulatory T-cell function in transplantation</i>
16:00–16:30	Peter van den Elsen (The Netherlands) <i>Transcriptional regulation of MHC genes</i>
16:30–16:45	Ian Sargent ends session with a summary on behalf of the BSI
16:45–18:15	WORKSHOP Ian Morrison <i>DAKO sponsored Workshop Venue: Dept. of Biological Sciences</i>
20:00	Barbecue at Wivenhoe House

Tuesday, 13 September 2005**Cytokines in basic and clinical reproductive immunology**

9:00–9:10	Chairperson: Richard Lea <i>Introduction</i> Venue: LTB10
9:10–9:50	Plenary lecture: Ian Sargent <i>Title: NK cells and the Type1/Type 2 cytokine shift in human pregnancy</i>
9:50–10:30	Plenary lecture: Natalie Lédée <i>Title: Uterine receptivity and the tripod IL-18, IL-15 and IL-12 in humans.</i>
10:30	Selected abstract presentations (10 minutes and 5 minutes discussion)
10:30–10:45	S McCracken, K Hadfield, Z Rahimi, E Gallery, <u>J Morris</u> <i>Pregnancy specific suppression of Th1 immune responses in T-cells is through specific down-regulation of T-bet expression which is regulated by NF-κB</i>
10:45–11:00	<u>J Leber</u> , ML Zenclussen, AZ Bertoja, A Sollwedel, I Wollenberg, K Gerlof, H-D Volk, AC Zenclussen <i>Chemokine and chemokine receptor expression at the feto-maternal interface during pregnancy in normal and abortion-prone mice</i>
11:00–11:30	Coffee (30 minutes)
11:30–11:45	<u>RG Lea</u> , O Sandra, J Szekeres-Bartho, LT Hannah, M Mollaret, JS Milne, RP Aitken, JM Wallace, PA Fowler <i>Progesterone-Induced Blocking Factor in normal and growth-restricted ovine placentae</i>

¹In sessions involving more than one person the main speaker is underlined.

11:45–12:00	<u>O Sandra</u> , F Nolent, N Mansouri, N Kozma, J Szekeres-Bartho, PA Fowler, RG Lea <i>Ovine Progesterone-Induced Blocking Factor: identification and regulation during the oestrous cycle and early pregnancy</i>
12:00–12:15	S Wattegedera, M Rocchi, R Benson, L Mazzoni, G <u>Entrican</u> <i>Maternal immune responses during ovine pregnancy</i>
12:15–12:30	<u>EJ Williams</u> , A Miller, EA Lane, S Herath, GCW England, H Dobson, IM Sheldon <i>Effect of Tumour Necrosis Factor alpha on ovarian folliculogenesis</i>
12:30–12:45	Abstract to be assigned
12:45–14:00	LUNCH (75 minutes)

T regulatory cells and other forms of immunoregulation

14:00–14:10	Chairperson: Peter Delves <i>Introduction</i> Venue: LTB10
14:10–14:50	Plenary lecture: Alexander Betz <i>The role of regulatory T cells in pregnancy</i>
14:50–15:30	Plenary lecture: Ana Zenclussen <i>CD4⁺CD25⁺ T regulatory cells mediate tolerance at the fetal-maternal interface by creating a privileged tolerant microenvironment</i>
15:30	Selected abstract presentations (10 minutes and 5 minutes discussion)
15:30–15:45	<u>ML Zenclussen</u> , A Sollwedel, I Wollenberg, S Rebelo, AZ Bertoja, H-D Volk, AC Zenclussen <i>Heme Oxygenase-1 (HO-1) prevents murine abortion</i>
15:45–16:00	M Semitecolou, X Papathanasiou, <u>I Athanassakis</u> <i>CD25-positive cells during pregnancy: differential profile of cytokines and soluble MHC antigens produced by CD25⁺CD4⁺ and CD25⁺CD8⁺ cells</i>
16:00–16:30	Tea (30 minutes)
16:30–20:00	Visit to Colchester Zoo
20:00	Dinner

Wednesday, 14 September 2005

Indoleamine 2, 3-dioxygenase and materno-fetal interactions

9:00–9:10	Chairperson: Peter Johnson <i>Introduction</i> Venue: LTB10
9:10–9:50	Plenary lecture: Peter Sedimayer <i>Indoleamine 2, 3-dioxygenase in materno-fetal interactions</i>
9:50–10:30	Plenary lecture: Richard Boyd <i>Title: Implications of Indoleamine 2, 3-dioxygenase in the human placenta</i>
10:30	Selected abstract presentations (10 minutes and 5 minutes discussion)
10:30–10:45	M Abumaree, PR Stone, LW <u>Chamley</u> <i>Phagocytosis of shed trophoblasts increases the expression of indoleamine 2,3-dioxygenase by U937 cells</i>
10:45–11:00	MS Hoshida, EC Leanza, <u>S Daher</u> , E Bevilacqua <i>Gene expression and signaling pathway in trophoblast cells by IFN-γ</i>
11:00–11:30	Coffee (30 minutes)
11:30–11:45	AS López, E Alegre, A Díaz, <u>A González</u> <i>Bimodal effect of nitric oxide in the indoleamine-2,3-dioxygenase activity: Implications in maternal tolerance</i>
11:45–12:00	A Gonzalez-Hernandez, <u>J LeMaoult</u> , A Lopez, E Alegre, J Caumartin, S Le Rond, M Daouya, P Moreau, ED Carosella <i>Indoleamine 2,3 dioxygenase- and tryptophan-dependent regulation of HLA-G cell-surface expression</i>
12:00–12:15	<u>S Blois</u> , JM Ilarregui, AS Örsal, M Toscano, GA Rabinovich, PC Arck <i>A critical role for galectin-1 in the maintenance of maternal-fetal tolerance</i>
12:15–12:30	Abstract to be assigned
12:30–12:45	V Juarez Perez <i>The control of embryo implantation (EMBIC Project)</i>
12:45–14:00	LUNCH (75 minutes)

Gametic immunology

14:00–14:10	Chairperson: Rayna Georgieva <i>Introduction</i> Venue: LTB10
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14:10–14:50	Plenary lecture: Peter P Johnson <i>The multi-tasking of complement regulatory proteins [CRPs] on sperm?</i>	10:30–10:45	<u>K Haller</u> , C Mathieu, K Rull, K Matt, MC Béné, R Uiibo <i>IgG, IgA and IgM antibodies against FSH: serological markers of pathogenic autoimmunity or of normal immunoregulation?</i>
14:50–15:30	Plenary lecture: Roy Jones <i>Microdomains, diffusion barriers and lipid rafts in sperm cell plasma membranes</i>	10:45–11:00	<u>R Bulla</u> , P Spessotto, C Danussi, O Radillo, F Bossi, C Agostinis, E Bianchini, F De Seta, F Tedesco, A Colombatti <i>EMILIN1 is involved in human trophoblast invasion towards decidual vessels</i>
15:30	Selected abstract presentations (15 minutes and 5 minutes discussion)	11:00–11:30	Coffee (30 minutes)
15:30–15:45	<u>M Kurpisz</u> , A Domagała, B Grygielska <i>Sperm proteome; a source of new functional entities</i>	11:30–11:45	<u>VP Chernyshov</u> , IA Sudoma, AA Kostyuchyk, BV Donskoy, JN Tralo, EM Mozgovaya <i>Whole peripheral blood NK cell cytotoxic activity in immune monitoring of spontaneous abortion in women after IVF/ET</i>
15:45–16:00	N Jagadish, R Rana, D Mishra, M Garg, D Chaurasiya, N Dahiya, R Selvi, A Hasegawa, K Koyama, <u>A Suri</u> <i>Characterization of immune response in mice to plasmid DNA encoding human Sperm associated antigen 9 (SPAG9)</i>	11:45–12:00	<u>A Sedlakova</u> , F Elzeinova, A Bukovsky, J Madar, Z Ulcova-Gallova, J Peknicova <i>Monoclonal antibodies against human trophoblast in female infertility</i>
16:00–16:30	Tea (30 minutes)	12:00–12:15	S Miranda, S Litwin, G Barrientos, J Szekeres-Bartho, PC Arck, <u>S Blois</u> <i>Switch on T-cell populations after dendritic cell therapy in the CBA/J × DBA/2J abortion-prone mouse model</i>
16:30–17:15	<i>Immunocontraception Debate – Is it feasible in humans?</i> P. Delves (for) W. Stimson (against)	12:15–12:30	<u>C Kling</u> , J Steinmann, J Magez, E Westphal, D Kabelitz <i>Which are the risks of intradermal lymphocyte immunotherapy?</i>
17:15–17:45	<i>Discussion</i>	12:30–12:45	<u>DB Christiansen</u> , HS Nielsen, TV Hviid <i>HCA Class II and Recurrent miscarriage: new aspects</i>
18:00–19:00	WORKSHOP II Ian Morrison <i>Single particle fluorescence imaging (mobility and co-localisation of immunological receptors)</i> Venue: Laboratory 4.17 (Dept. of Biological Sciences)	12:45–13:25	Ivan Roitt Special invited lecture: <i>Developments in vaccine design</i>
20:00	Conference Gala Dinner	13:25–13:30	Close of Conference by Ole Christiansen (ESRADI)
<hr/> Thursday, 15 September 2005 <hr/> Infertility and Recurrent Pregnancy Loss <hr/>		13:30	Lunch
9:00–9:10	Chairman: Viktor Chernyshov <i>Introduction</i> Venue: LTB10	14:30	ESRADI and AASIR Council meeting
9:10–9:50	Plenary lecture: Marighoula Varla-Leftherioti <i>Diagnosis of immune-mediated recurrent spontaneous abortion: an endless quest</i>	<hr/> Third European Congress of Reproductive Immunology (held jointly with the 6th ESRADI Congress and 10th AASIR Congress) <hr/>	
9:50–10:30	Plenary lecture: Petra Arck <i>Stress and Pregnancy Maintenance: from basic science to the clinic</i>		
10:30	Selected abstract presentations (10 minutes and 5 minutes discussion)		