

32nd EUROPEAN WORKSHOP FOR RHEUMATOLOGY RESEARCH

Radisson Blu Royal Park Hotel, Frösundavik, Stockholm, Sweden

February 23-25, 2012

PROGRAM

Thursday February 23

10:00-15:00	ARRIVAL AND EWRR REGISTRATION
10:30-12:30 (2h)	STUDY GROUP SESSIONS <u>Study Group I: Academic Leadership and Gender Perspective</u> Leaders: Ingrid E. Lundberg, Margriet Vervoordeldonk and Florence Apparailly Speakers: Joan Bathon and Rachel Dominique Demolis
13:00-15:00 (2h)	STUDY GROUP SESSIONS continued <u>Study Group II: Autoantibodies</u> Leader: Ruud Smeenk <u>Study Group III: Gene and Cell Therapy</u> Leader: Christian Jorgensen <u>Study Group IV: EULAR Standing Committee on Investigative Rheumatology</u> Leader: Georg Schett Study Group V: Animal Models (SGAM) Leaders: Margriet Vervoordeldonk Study Group VI: Young investigators Leaders: Susanna Brauner and Michael Seed
14:30-15:00	Coffee Break
15.00-15.10	OPENING REMARKS EWRR 2012 Chairperson: Ingrid E. Lundberg
15:10-16:50 (1h 40 min)	WORK SHOP I: From Molecular Pathways to Clinical Trials <i>Chairs: Gunnel Nordmark and Ravinder Maini</i>
15:10-15:35 (20+5 min)	<i>Understanding and targeting type I interferons in SLE and other inflammatory diseases</i> Lars Rönnblom, Uppsala, Sweden
15:35-16:00 (20+5 min)	<i>Chemokine receptor blockade in rheumatoid arthritis: from bench to bedside – and back</i> Paul Peter Tak, Amsterdam, Netherlands

16:00-16:50	Abstract presentations (5x 8+2 min)
16:00-16:10	<i>Targeting autoreactive plasma cells in autoimmunity: a new treatment approach combining plasma cell and B cell depletion</i> Adriano Taddeo
16:10-16:20	<i>Cytokines in lupus nephritis, levels of IL-17 and IL-23 in association to histopathology and response to treatment</i> Agneta Zickert
16:20-16:30	<i>A proposed mechanism for autonomic dysfunction in rheumatoid arthritis – Reduced vagal activity related to high intrathecal IL-18 levels</i> Reem Altawil
16:30-16:40	<i>Targeting therapeutics to arthritic joints by antibody specific to post-translationally modified collagen type II</i> Ahuva Nissim
16:40-16:50	<i>Refractory SLE patients respond to the proteasome inhibitor bortezomib</i> Falk Hiepe
16:50-17:10	Break
17:10-18:50 (1h 40 min)	WORK SHOP II: Pre-Disease – What happens before Diagnosis <i>Chairs: Cor Verveij and Anca Catrina</i>
17:10-17:35 (20+5 min)	<i>Biomarkers that predict onset of rheumatoid arthritis</i> Danielle Gerlag, Amsterdam, The Netherlands
17:35-18:00 (20+5 min)	<i>Determinants of the emergence of rheumatoid arthritis</i> Solbritt Rantapää-Dahlqvist, Umeå, Sweden
18:00-18:50	Abstract Presentations (5x 8+2 min)
18:00-18:10	<i>Comparison of synovial tissue cytokine mRNA profiles in very early arthritis patients with divergent outcomes</i> Lorraine Yeo
18:10-18:20	<i>Gene signatures to prediction rheumatoid arthritis development</i> Joyce Lubbers
18:20-18:30	<i>Identification of shared citrullinated immunological targets in the lungs and joints of patients with rheumatoid arthritis</i> Jimmy Ytterberg

18:30-18:40	<i>Analysis of ACPA positivity and ACPA fine specificity in a large Swedish twin cohort (TWINGENE)</i> Aase Haj Hensvold
18:40-18:50	<i>Investigating the cellular composition of lymph nodes in preclinical and early inflammatory arthritis: A feasibility study</i> Lisa van Baarsen
18:50	Poster Mounting
19:30	Dinner Radisson Blu Royal Park Hotel

Friday February 24

07:00	Poster Mounting
08:30-09:50 (1h 20 min)	WORKSHOP III: Microbes and Autoimmunity <i>Chairs: Marie Wahren-Herlenius and João Eurico Fonseca</i>
08:30-08:55 (20+5 min)	<i>Microbiota influence on T cell subset development</i> Nadine Cerf-Bensussan, Paris, France
08:55-09:20 (20+5 min)	<i>Immunity against peridontitis-associated microbes in rheumatoid arthritis</i> Katarzyna Maresz, Krakow, Poland
09:20-09:50	Abstract Presentations (3x 8+2 min)
09:20-09:30	<i>Autodeimination of P. gingivalis Peptidylarginine Deiminase: a Novel Antigen in Rheumatoid Arthritis</i> Elena Lugli
09:30-09:40	<i>Patients with rheumatoid arthritis and periodontitis have higher disease activity and a more pronounced antibody response against P. gingivalis</i> Menke de Smit
09:40-09:50	<i>Arthritis development in germ free mice deficient for reactive oxygen species</i> Kajsa Wing
09:50-10:20	Coffee Break + Poster viewing
10:20-11:30 (1h 10 min)	WORKSHOP IV: Pain in Rheumatic Diseases <i>Chair: Jon Lampa and Caroline Ospelt</i>
10:20-10:45 (20+5 min)	<i>Mechanisms of pain during and post joint inflammation</i> Camilla Svensson, Stockholm, Sweden
10:45-11:10 (20+5 min)	<i>Generation and maintenance of arthritis-induced pain – role of proinflammatory cytokines</i> Hans Georg Schaible, Jena, Germany
11:10-11:30	Abstract Presentations (2x 8+2 min)
11:10-11:20	<i>Phenotypic changes in dorsal root ganglion and spinal cord in the collagen antibody-induced arthritis model</i> Jie Su
11:20-11:30	<i>Collagen antibody-induced arthritis (CAIA) leads to evoked and ongoing persistent pain-like behavior, but transient joint inflammation</i> Katalin Sandor
11:30-12:50	Lunch + Poster viewing

Meeting of the International Advisory Board	
12:50-14:30 (1h 40 min)	WORKSHOP V: Tolerization and Specificity of Immunity <i>Chair: Rikard Holmdahl and Annette van der Helm</i>
12:50-13:15 (20+5 min)	<i>Specific B cell immunity and B - T cell interactions in rheumatic diseases</i> Vivianne Malmström, Stockholm, Sweden
13:15-13:40 (20+5 min)	<i>Heat shock proteins and tolerance</i> Berent Prakken, Utrecht, Netherlands
13:40-14:30	Abstract Presentations (5x 8+2 min)
13:40-13:45	<i>Alpha-enolase specific T cells in rheumatoid arthritis</i> – a MHC class II tetramer approach
13:45-13:50	Jennifer Pieper – a functional approach Charlotta Sandin
13:50-14:00	<i>Generation and characterization of monoclonal antibodies from single RA synovial B cells</i> Khaled Amara
14:00-14:10	<i>Evolution of anti-DNA autoantibodies by somatic hypermutation: Evidence for post-mutational B-cell tolerance</i> Martin Herrmann
14:10-14:20	<i>12/15-lipoxygenase orchestrates the clearance of apoptotic cells and maintains immunologic tolerance</i> Stefan Uderhardt
14:20-14:30	<i>Regulation of pathogenic effector/memory T helper 1 lymphocyte survival by microRNA</i> Mir-Farzin Mashreghi
14:30-15:30	Poster Tour Part I
15:30-16:00	Coffee Break + Poster viewing
16:00-17:10 (1h 10 min)	WORKSHOP VI: Muscle Growth and Atrophy in Inflammation and Fibrosis <i>Chair: Ingrid E. Lundberg and Jiri Vencovsky</i>
16:00-16:25 (20+5 min)	<i>Molecular mechanisms of muscle weakness in chronic muscle inflammation</i> Kanneboyina Nagaraju, Washington DC, USA
16:25-16:50 (20+5 min)	<i>Dissociative steroids: Drug development, and insights on muscle growth and atrophy</i> Eric Hoffman, Washington DC, USA

16:50-17:10	Abstract Presentations (2x 8+2 min)
16:50-17:00	<i>Identification of robust and disease-specific stromal alterations in spondyloarthritis synovitis</i> Nataliya Yeremenko
17:00-17:10	<i>CD28^{null} T cells from myositis patients are cytotoxic to autologous muscle cells in vitro</i> Jayesh Pandya
17:10-17:40	LECTURE I How to get a Nobel Prize Lars Klareskog, Stockholm, Sweden <i>Chair: Ingrid E. Lundberg</i>
18:00	Departure with bus to Stockholm
18:30-ca 20:00	Stockholm City Hall Reception
20:30	Dinner Piperska muren, Stockholm

Saturday February 25

08:30-10:10 (1h 40 min)	WORKSHOP VII: Genetics and Regulation of Immune Response <i>Chair: Leonid Padyukov and Jane Worthington</i>
08:30-08:55 (20+5 min)	<i>How genetics can inform us about molecular mechanisms of inflammatory diseases</i> Rikard Holmdahl, Stockholm, Sweden
08:55-09:20 (20+5 min)	<i>New understanding of the MHC in rheumatic diseases</i> Paul de Bakker, Boston, USA
09:20-10:10	Abstract Presentations (5x 8+2 min)
09:20-09:30	<i>Identification of a novel microRNA-gene circuit in human lupus nephritis: Evidence for modulation of kallikrein genes by MIR-422A</i> Eleni Krasoudaki
09:30-09:40	<i>Evidence for caveloin-1 (CAV1) as a new susceptibility gene regulating tissue fibrosis in systemic sclerosis</i> Mirko Manetti
09:40-09:50	<i>Gene expression profiling of folate pathway related genes in methotrexate naïve- and methotrexate-treated rheumatoid arthritis patients</i> Marjolein Blits
09:50-10:00	<i>Genetic variants in IL-15 associate with progression of joint destruction in rheumatoid arthritis, a multi cohort study</i> Rachel Knevel
10:00-10:10	<i>Identification of novel genetic risk loci determine fetal outcome in congenital heart block</i> Sabrina Görgen
10:10-10:40	Coffee Break + Poster viewing
10:40-11:50 (1h 10 min)	WORKSHOP VIII: Bone and Cartilage-Regeneration – Imaging <i>Chairs: Georg Schett and Catharina Lindholm</i>
10:40-11:05 (20+5 min)	<i>Endocrine regulation of bone loss and regeneration</i> Ulf Lerner, Umeå, Sweden
11:05-11:50	Abstract Presentations (5x 7+2 min)
11:05-11:14	<i>Lymphocytes control bone fracture healing by programming the mineralization capacity of migratory osteogenic precursors</i> Alessandro Serra

11:14-11:23	<i>Estrogen receptor alpha (ERα) expression in neuronal cells affect bone mass</i> Marie Lagerquist
11:23-11:32	<i>Bone fracture repair, but not fetal skeletal development is supported by Syndecan-4</i> Jessica Bertrand
11:32-11:41	<i>Stimulation of bone resorption in calvarial bones by Toll-like 2 receptor through enhanced RankL</i> Ali Kassem
11:41-11:50	<i>Hypophosphatemia is associated with nephrogenic systemic fibrosis: A case-control study</i> Elana J. Bernstein
11:50-12:50	Poster Tour Part II
12:50-13:50	Lunch + Poster viewing
13:50-15:30 (1h 40 min)	WORKSHOP IX: Innate Immunity <i>Chair: Helena Erlandsson Harris and Pierre Miossec</i>
13:50-14:15 (20+5 min)	<i>Roles of dietary inorganic nitrate in health and disease</i> Jon Lundberg, Stockholm, Sweden
14:15-14:40 (20+5 min)	<i>Influence of redox status on inflammasome activation - impact on rheumatic diseases</i> Anna Rubartelli, Genova, Italy
14:40-15:30	Abstract Presentations (5x 8+2 min)
14:40-14:50	<i>Anti-HMGB1 treatment reduces inflammation in models of experimental autoimmunity</i> Peter Lundbäck
14:50-15:00	<i>IL-21 induces SOCS-mediated suppression of TLR triggering but aggravates Th17-driven destructive arthritis</i> Marije I. Koenders
15:00-15:10	<i>Lack of TLR4 on bone marrow derived cells ameliorates experimental arthritis and decreases CD4⁻ IL-17⁺ cells</i> Ben T. van den Brand
15:10-15:20	<i>Stimulation of the cytosolic dsRNA sensor MDA-5 induces cell death in fibroblast-like synoviocytes</i> Olga N. Karpus
15:20-15:30	<i>The role of prolactin, as sex hormone, and its receptor involved in rheumatoid arthritis</i>

	Man Wai Tang
15:30-16:30	Coffee break and ice walking tour
16:30-17:00	LECTURE II <i>Title tba</i> Martin Ingvar, Stockholm, Sweden <i>Chair: Ingrid E. Lundberg</i>
17:00-18:15 (1h 15 min)	TOWARDS EUROPEAN SCIENCE-DRIVEN CLINICAL TRIALS <i>Chairs: Ronald van Vollenhoven and Paul Peter Tak</i> Introduction <i>Why we need European Collaborative Trials</i> Ronald van Vollenhoven, Stockholm, Sweden Speakers <i>Large and Very Successful European Collaborative Trials in Cardiovascular Disease</i> Claes Held, Uppsala, Sweden <i>Cimestra-study A Large and Successful European Collaborative Trial</i> Kim Hørslev-Petersen, Denmark <i>How EULAR Can Help Towards Even More and Even Better European Collaborative Trials</i> Maurizio Cutolo, Genova, Italy Discussion All
18:15-18:30	EWRR Poster Award <i>Chair: Ingrid E. Lundberg</i>
18:30–18:45	Closing Remarks EWRR 2012 Chairperson: Ingrid E. Lundberg Glimpse of EWRR 2013 Chairperson: Jiri Vencovsky, Prague, Czech republic
19.30	Gala Dinner Radisson Blu Royal Park Hotel

Sunday February 26

DEPARTURE