

POSTER TOUR I

FRIDAY, FEBRUARY 26, 14:00-15:00h

POSTER TOUR LEADERS: Luke O'Neill, Mike McDermott, Ed Vital

ABSTRACT	PRESENTER	TOPIC 1: INNATE IMMUNITY
01.01	ROGIER R (oral)	ACTIVATION OF TLR4 BY DYSBIOTIC INTESTINAL MICROBIOTA FOLLOWING IL-1 RECEPTOR ANTAGONIST DEFICIENCY TRIGGERS TH17-MEDIATED ARTHRITIS
01.02	SAFERDING V	IMPORTANT ROLE OF MICRORNA-146A IN INFLAMMATORY ARTHRITIS BY CONTROLLING LOCAL BONE DESTRUCTION
01.03	BRUNNER J	ARGINASE I AND OSTEOCLASTOGENESIS
01.04	MANIVEL V	TYPE II COLLAGEN IMMUNE COMPLEX INDUCE GRANULOCYTE DEPENDENT AUGMENTATION OF CHEMOKINES VIA TLR4; A POSSIBLE THERAPEUTIC TARGET IN EARLY RA
01.05	BEERMANN S	THE MER TYROSINE KINASE RECEPTOR PLAYS A PROTECTIVE ROLE IN JOINT INFLAMMATION BY MEDIATING EFFEROCYTOSIS
01.06	TER HAAR N	PHAGOCYTE INVOLVEMENT IN SYSTEMIC ONSET JUVENILE IDIOPATHIC ARTHRITIS
01.07	MCGARRY T	REPROGRAMMING OF METABOLIC PATHWAYS INHIBITS TLR2-INDUCED INFLAMMATION IN RA
01.08	CANAVAN M	CD141 ⁺ CLEC9A ⁺ DENDRITIC CELLS ARE ENRICHED IN AN ACTIVE STATE IN THE INFLAMED SYNOVIUM AND CONTRIBUTE TO SYNOVIAL INFLAMMATION IN RHEUMATOID ARTHRITIS
01.09	VAN DEN BOSCH M	S100-DAMPS IN IL-1RA ^{-/-} MICE, A SERUM BIOMARKER AND IN VIVO IMAGING TOOL TO ASSESS JOINT INFLAMMATION AND DESTRUCTION IN EXPERIMENTAL SERONEGATIVE ARTHRITIS
01.10	KIDGER S	THE GM-CSF/CCL17 AXIS IN THE RHEUMATOID SYNOVIAL ENVIRONMENT
01.11	DE WILDE K	A20 CONTROLS ACTIVATION OF STAT1, BUT HAS NO EFFECT ON STAT3: IMPLICATIONS FOR DEVELOPMENT OF ENTHESITIS

01.12	VAN LENT P	LOCAL EXPERIMENTAL OSTEOARTHRITIS INDUCES SYSTEMIC CHANGES IN MONOCYTE POPULATIONS REGULATED BY S100A8/A9
01.13	COOLES F	THE PREVALENCE OF A RAISED INTERFERON GENE SIGNATURE IS INCREASED IN EARLY RA AND IS ASSOCIATED WITH WORSE DISEASE ACTIVITY
01.14	VAN LENT P	SYNOVIAL MACROPHAGES PROMOTE TGF-B SIGNALING BUT PROTECT AGAINST INFLUX OF S100A8/S100A9-PRODUCING CELLS AFTER INTRA-ARTICULAR INJECTIONS OF OXIDIZED LOW-DENSITY LIPOPROTEINS
01.15	DI CEGLIE I	APOLIPOPROTEIN E AGGRAVATES INFLAMMATION AND BONE DESTRUCTION IN MURINE ANTIGEN - INDUCED ARTHRITIS
01.16	LIU Y	ROLE OF IL-8 AND ITS RECEPTOR IN ANTI-CITRULLINATED PROTEIN ANTIBODY MEDIATED OSTEOCLASTOGENESIS IN RA
01.17	DESANTI G	PODOPLANIN AND ITS LIGAND CLEC-2 RESTRAIN SYNOVIAL INFLAMMATION
01.18	MC GETTRICK H	MESENCHYMAL STEM CELLS LOSE THEIR IMMUNO-PROTECTIVE EFFECTS UPON CHANGES IN THEIR LOCAL MICROENVIRONMENT
01.19	VAN BAARSEN L	ALTERED DISTRIBUTION OF INNATE LYMPHOID CELL POPULATIONS IN HUMAN LYMPH NODE BIOPSIES OBTAINED DURING THE EARLIEST PHASES OF SYSTEMIC AUTOIMMUNITY
01.20	CIECHOMSKA M	EPIGENETIC MODIFICATIONS AND TLR8 SIGNALING CONTRIBUTE TO SYSTEMIC SCLEROSIS PATHOGENESIS BY ROS AND PROFIBROTIC GENES INDUCTION
01.21	SKRINER K	INHIBITORY POTENTIAL OF SPECIFIC ACPAS IN TWO MOUSE SUBSPECIES GENETICALLY SEPARATED ABOUT ONE MILLION YEARS AGO
01.22	VAN DALEN S	INTERLEUKIN-1 DOES NOT AGGRAVATE JOINT INFLAMMATION AND CARTILAGE DESTRUCTION IN EXPERIMENTAL OSTEOARTHRITIS
01.23	VERGINIS P (oral)	IFNA MEDIATED DEREGULATION OF MITOCHONDRIAL DNA CLEARANCE AS AN INCITING EVENT FOR THE DEVELOPMENT OF SLE AUTOIMMUNITY
01.24	PUCHNER A	RESIDENT NON-CLASSICAL MONOCYTES ARE CRITICALLY IMPORTANT FOR TISSUE DESTRUCTION IN ARTHRITIS

01.25	DI CEGLIE I	FC GAMMA RECEPTORS ENHANCE BONE EROSION IN EXPERIMENTAL ARTHRITIS BY STIMULATING SYNOVIAL INFLAMMATION AND ACTIVATION OF OSTEOCLASTS
01.26	CUTHBERT R	INNATE LYMPHOID CELLS ARE PRESENT AT NORMAL HUMAN ENTESIS PROVIDING A POTENTIAL MECHANISM FOR SPONDYLOARTHROPATHY PATHOGENESIS
01.27	RAOUF J	MPGES-1 DELETION INCREASES PROSTACYCLIN AND EVADES THE ELEVATED SYSTEMIC ADMA ASSOCIATED WITH COX-2 INHIBITORS: RELEVANCE TO CARDIOVASCULAR SAFETY OF MPGES-1 INHIBITORS
01.28	NÉMETH T	NEUTROPHIL CARD9 MEDIATES AUTOANTIBODY-INDUCED AUTOIMMUNE DISEASES
01.29	DECKER P (oral)	NORMAL AND RHEUMATOID ARTHRITIS NEUTROPHIL EXTRACELLULAR TRAPS ARE BOTH PRO- AND ANTI-INFLAMMATORY VIA MECHANISMS INVOLVING THE C1Q COMPLEMENT PROTEIN BUT INDEPENDENTLY OF ACPA, LL-37 OR THE INFLAMMASOME
01.30	STRATIS A	A KEY ROLE OF S100A9 IN THE PATHOGENESIS OF PSORIATIC ARTHRITIS IN TTP/S100 DEFICIENT MICE
01.31	DE JONG T	THE TYPE I IFN SIGNATURE IN SORTED LEUKOCYTE SUBSETS FROM PERIPHERAL BLOOD OF RHEUMATOID ARTHRITIS PATIENTS; A MAJOR CONTRIBUTION BY GRANULOCYTES
01.32	FRÉRÉT M	ALPHA-ENOLASE ACTIVATES MONOCYTES BY CD14-DEPENDENT TLR4 SIGNALING PATHWAY
01.33	CLAVEL C	AMONG HUMAN MACROPHAGES POLARIZED TO DIFFERENT PHENOTYPES, THE M-CSF-ORIENTED CELLS PRESENT THE HIGHEST PRO-INFLAMMATORY RESPONSE TO THE RHEUMATOID ARTHRITIS-SPECIFIC IMMUNE COMPLEXES CONTAINING ACPA
01.34	HANLON M	ONCOSTATIN M DIFFERENTIALLY REGULATES TNF α -INDUCED PRO-INFLAMMATORY MECHANISMS IN THE RA JOINT
01.35	FRÖHLING M	SYNDECAN-4 DEFICIENCY INCREASES INFLAMMATION IN EXPERIMENTAL COLITIS

POSTER TOUR I

FRIDAY, FEBRUARY 26, 14:00-15:00h

POSTER TOUR LEADERS: Vivianne Malmström, Pierre Miossec,
Mohini Gray, Günter Steiner

ABSTRACT	PRESENTER	TOPIC 2: ADAPTIVE IMMUNITY
02.01	TOUBI E	THE EXPANSION OF CD25 ^{HIGH} IL-10 ^{HIGH} FOXP3 ^{HIGH} B REGULATORY CELLS IS IN ASSOCIATION WITH SLE DISEASE ACTIVITY
02.02	VADASZ Z	INCREASED SOLUBLE CD72 IN SYSTEMIC LUPUS ERYTHEMATOSUS: A POTENTIAL BIOMARKER FOR DISEASE ACTIVITY AND LUPUS NEPHRITIS
02.03	BOMMARITO D	THE PD-1/PD-L1 AXIS IS MODULATED BY PRO-INFLAMMATORY CYTOKINES
02.04	CORSIERO E	THE ROLE OF SOMATIC HYPERMUTATION AND N-GLYCOSYLATION IN THE ANTI-NETS IMMUNOREACTIVITY OF RA SYNOVIAL MONOCLONAL ANTIBODIES
02.05	DEKKERS J	CARBAMYLATED AUTOANTIGENS FACILITATE THE BREAK OF TOLERANCE: A NOVEL MECHANISM IN THE PATHOGENESIS OF AUTOIMMUNE ARTHRITIS
02.06	MASSALSKA M	FUNCTIONAL REGULATORY T-CELLS IN RHEUMATOID ARTHRITIS BONE MARROW ARE MODULATED BY IL-15 AND STRONG ANTIGENIC STIMULATION
02.07	ROELEVELD D	ANTAGONISTIC REGULATION OF IL-17 AND GM-CSF DURING T CELL DEVELOPMENT EX VIVO AND DURING EXPERIMENTAL ARTHRITIS
02.08	TAS S	EXTRATHYMIC AUTOIMMUNE REGULATOR (AIRE) EXPRESSION CAN BE INDUCED IN DENDRITIC CELLS BY CD40-MEDIATED ACTIVATION OF NONCANONICAL NF-KB SIGNALLING, BUT IS IMPAIRED IN PRIMARY SJÖGREN'S SYNDROME
02.09	VAN DONGEN H	LONGITUDINAL EBV ANTIBODY PROFILING IN SLE PATIENTS REVEALS PATIENTS WITH LUPUS NEPHRITIS
02.10	VAN DELFT M	THE ISOTYPE AND SUBCLASS DISTRIBUTION OF ANTI-CARBAMYLATED PROTEIN ANTIBODIES IN RHEUMATOID ARTHRITIS PATIENTS
02.11	REED E	ANTIBODIES TO CARBAMYLATED A-ENOLASE EPITOPES IN RHEUMATOID ARTHRITIS ALSO BIND CITRULLINATED EPITOPES AND ARE LARGELY

		INDISTINCT FROM ANTI-CITRULLINATED PROTEIN ANTIBODIES
02.12	FONSECA J	INCREASED CXCR5 B CELL EXPRESSION, CXCL13 AND SCD23 SERUM LEVELS IN UNTREATED EARLY RHEUMATOID ARTHRITIS PATIENTS SUPPORT B CELL ACTIVATION SINCE THE INITIAL PHASE OF THE DISEASE
02.13	SUN M	RA-ASSOCIATED AUTOANTIBODIES PROMOTE SYNOVIAL FIBROBLAST MIGRATION AND ADHESION THROUGH A PEPTIDYLARGININE DEIMINASES (PAD) DEPENDENT PATHWAY
02.14	BONELLI M	CCR6 EXPRESSION DRIVES ARTHRITIS IN A T CELL DEPENDENT MANNER
02.15	VAN DER WOUDE D	RA PHENOTYPE AT PRESENTATION DIFFERS AMONG PATIENTS WITH FEW VERSUS MANY AUTOANTIBODIES
02.16	HARRISON S	ASSOCIATION OF 20 INTERFERON RELATED GENE EXPRESSION WITH RESPONSE TO INFLIXIMAB TREATMENT IN ANKYLOSING SPONDYLITIS: PILOT DATA
02.17	ABDIRAMA D	DETECTION OF AUTOANTIGEN-SPECIFIC CD4+ T CELLS ASSOCIATED WITH SYSTEMIC LUPUS ERYTHEMATOSUS
02.18	SARMAY G	INDUCTION AND CHARACTERIZATION OF THE DOMINANT IL-10 PRODUCING B CELL SUBSET IN HEALTHY BLOOD DONORS AND RHEUMATOID ARTHRITIS PATIENTS
02.19	VAN HAMBURG JP	IL-17A-LOW CCR6+ TH CELL POPULATIONS OF PATIENTS WITH RHEUMATOID ARTHRITIS ARE PATHOGENIC, MULTIDRUG RESISTANT AND ASSOCIATED WITH DMARD AND GLUCOCORTICOID TREATMENT RESPONSE
02.20	AMARA K	SYNOVIAL FCRL4+ B CELLS ARE ENRICHED IN CITRULLINE REACTIVITY WITHOUT DISPLAYING SIGNS OF DIFFERENTIATION TO A PLASMA CELL PHENOTYPE
02.21	PIANTONI S	THE INCREASE OF CIRCULATING CD4+ T-CELLS WITH EFFECTOR PHENOTYPE IN PATIENTS WITH SYSTEMIC LUPUS ERYTHEMATOSUS MAY BE REVERTED AFTER BELIMUMAB THERAPY
02.22	BARDUA M	MICRORNA-31 MODULATES THE EXPRESSION OF MOBILITY RELATED GENES AND THE MOTILITY OF T HELPER 1 LYMPHOCYTES

02.23	DE ROOCK S	BLOCKADE OF INCREASED AUTOPHAGY IN JUVENILE ARTHRITIS SYNOVIAL FLUID T CELLS REDUCES CELLULAR ACTIVATION AND CYTOKINE PRODUCTION
02.24	STEEN J	PLASMA CELL DERIVED MONOCLONAL ANTI-CITRULLINE ANTIBODIES FROM RA SYNOVIAL FLUID ARE MULTIREACTIVE
02.25	DANKERS W	VITAMIN D INDUCES A TR1-LIKE PHENOTYPE IN HUMAN CCR6 ⁺ T CELLS AND PROMOTES THEIR MIGRATION TO AN INFLAMMATORY ENVIRONMENT
02.26	BURSKA A	SERUM IL-7 AS DIAGNOSTIC BIOMARKER FOR RHEUMATOID ARTHRITIS, VALIDATION WITH EULAR-2010 DIAGNOSTIC CRITERIA
02.27	SZARKA E	AFFINITY MEASUREMENTS OF ANTI-CITRULLINATED PROTEIN/PEPTIDE ANTIBODIES IN SERA OF RHEUMATOID ARTHRITIS PATIENTS BY APPLYING BIOSENSOR ANALYSIS
02.28	VOLKAVA M	PREVALENCE OF ANTIBODIES TO GLYCOPROTEIN 2 IN PATIENTS WITH SPONDYLOARTHROPATHIES
02.29	LIU Y (oral)	IMMATURE DENDRITIC CELLS ARE POTENT OSTEOCLASTS PRECURSORS IN RA AND ARE TARGETED BY RA-SPECIFIC ANTIBODIES
02.30	LEPSE N (oral)	TFH-LIKE CELLS IN THE RA SYNOVIUM ARE SELECTIVELY ASSOCIATED WITH IL-21 PRODUCTION AND ECTOPIC LYMPHOID STRUCTURES
02.31	RAZAWY W	IMMUNIZATION WITH TYPE II COLLAGEN (CII) ALTERS THE IL-23 RECEPTOR EXPRESSION PROFILE COMPARED TO NAÏVE CONDITIONS
02.32	GANNAGÉ M	MACROAUTOPHAGY PROTEINS CONTROL DENDRITIC CELL ACTIVATION AND SHAPE THE TH1/TH17 RESPONSE DURING ANTIGEN INDUCED ARTHRITIS
02.33	TITCOMBE P	CITRULLINATED SELF ANTIGEN-SPECIFIC BLOOD B CELLS CARRY CROSS-REACTIVE IMMUNOGLOBULINS WITH EFFECTOR POTENTIAL
02.34	JEFFERY L	ANTI-INFLAMMATORY EFFECTS OF VITAMIN D ARE REDUCED IN T-CELLS FROM THE INFLAMED JOINTS OF RHEUMATOID ARTHRITIS PATIENTS
02.35	JAMIN C	GLATIRAMER ACETATE RESTORES THE DEFECTIVE ACTIVITY OF REGULATORY B CELLS IN SLE

02.36	WIGSTON Z	DYNAMICS OF T-CELL SUBSET IN EARLY RA PATIENTS TREATED WITH MTX OR MTX+ANTI-TNF
02.37	JAMIN C (oral)	B CELLS REGULATE FOLLICULAR HELPER T CELLS IN HEALTHY INDIVIDUALS AND SJÖGREN'S PATIENTS BUT ARE DEFECTIVE IN SLE PATIENTS
02.38	NOACK M	ROLE OF PODOPLANIN IN THE HIGH IL-17 SECRETION RESULTING FROM INTERACTIONS BETWEEN ACTIVATED LYMPHOCYTES AND MESENCHYMAL CELLS FROM DIFFERENT ORIGINS
02.39	BARICZA E	CYTOKINE-INDUCED REGULATION OF HUMAN TH17 DIFFERENTIATION
02.40	OUBOUSSAD L	INVESTIGATING IL-6 PATHWAY SIGNALLING KINETICS IN PERIPHERAL BLOOD SINGLE CELL SUBSETS WITH TOCILIZUMAB THERAPY IN PATIENTS WITH EARLY RHEUMATOID ARTHRITIS
02.41	CHIOCCHIA G	MODULATOR ROLE OF INDUCIBLE COSTIMULATOR (ICOS) IN SPONDYLOARTHRITIS ANIMAL MODEL
02.42	PONCHEL F	CLINICAL UTILITY OF MEASURING NAÏVE CD4+T-CELL IN EARLY RA PATIENT TO PREDICT REMISSION ON MTX: A REPLICATION STUDY

POSTER TOUR I

FRIDAY, FEBRUARY 26, 14:00-15:00h

POSTER TOUR LEADERS: Anca Catrina, Mike Holers

ABSTRACT	PRESENTER	TOPIC 3: PRE-RA
03.01	SHUMNALIEVA R	SERUM AND SYNOVIAL FLUID CONCENTRATION OF RF SUBCLASSES IN CHARACTERIZATION OF THE INFLAMMATORY REACTION IN RHEUMATOID ARTHRITIS
03.02	RANTAPÄÄ DAHLQVIST S	ANTIBODIES TO SELF AND EXOGENOUS CITRULLINATED ANTIGENS IN THE PRE-SYMPTOMATIC STAGE OF RHEUMATOID ARTHRITIS
03.03	MONTGOMERY A (oral)	FORMATION OF NOVEL CITRULLINATED PEPTIDES BY PORPHYROMONAS GINGIVALIS PAD ENZYME: IMPLICATIONS FOR AUTOIMMUNITY IN RHEUMATOID ARTHRITIS
03.04	MARSHALL J	STROMAL CELL METABOLISM; THE REVERSE WARBURG EFFECT IN THE INFLAMED SYNOVIUM
03.05	JOSHUA V (oral)	THE LUNG MICROBIOME IN RHEUMATOID ARTHRITIS AND ASSOCIATED LOCAL/SYSTEMIC AUTOIMMUNITY
03.06	HÄHNLEIN J (oral)	DISTINCT EXPRESSION PATTERN OF PERIPHERAL TISSUE-RESTRICTED ANTIGENS IN HUMAN LYMPH NODE STROMAL CELLS DURING THE EARLIEST PHASES OF RHEUMATOID ARTHRITIS
03.07	HENSVOLD A	HOW WELL DO ACPA DISCRIMINATE AND PREDICT RA IN THE GENERAL POPULATION - A STUDY BASED ON 12,590 POPULATION-REPRESENTATIVE SWEDISH TWINS
03.08	MOLENDIJK M	EXPLORING THE COLLAGEN INDUCED ARTHRITIS MODEL FOR ARTHRALGIA
03.09	OSPELT C	SYNOVIAL FIBROBLASTS AS DETERMINANTS FOR ARTHRITIS SPECIFIC PATTERN OF JOINT INVOLVEMENT

03.10	PRAJZLEROVÁ K	SERUM CALPROTECTIN IS ELEVATED IN PATIENTS WITH EARLY RHEUMATOID ARTHRITIS BUT NOT IN PATIENTS AT RISK OF DEVELOPING RHEUMATOID ARTHRITIS
03.11	CROFT A	SELECTIVE DELETION OF CELLS EXPRESSING FIBROBLAST ACTIVATION PROTEIN ATTENUATES SYNOVIAL INFLAMMATION

POSTER TOUR I

FRIDAY, FEBRUARY 26, 14:00-15:00h

POSTER TOUR LEADERS: Rik Lories, Christian Jorgensen

ABSTRACT	PRESENTER	TOPIC 4: REGENERATIVE MEDICINE
04.01	SERRA A (oral)	T CELLS ARE CRITICAL REGULATORS OF SOFT CALLUS MINERALIZATION AND NORMAL DEPOSITION OF COLLAGEN I DURING BONE REPAIR
04.02	VAN DER KRAAN P	LINKING INHIBITION OF CHONDROGENESIS AND INFLAMMATION THROUGH THE SMAD LINKER DOMAIN
04.03	GUNS L	THE GPR22 RECEPTOR, GENETICALLY LINKED TO OSTEOARTHRITIS STIMULATES CHONDROCYTE HYPERTROPHY AND DECREASES PROTEIN KINASE A ACTIVITY
04.04	EL-JAWHARI J	A ROBUST ASSAY FOR FAST QUANTIFICATION OF MULTIPOTENTIAL STROMAL CELLS IN BONE MARROW ASPIRATES
04.05	PEETERS T	SMOC2, A SECRETED CALCIUM-BINDING PROTEIN FROM CARTILAGE EXTRACELLULAR MATRIX IS AN INHIBITOR OF CARTILAGE AND BONE FORMATION
04.06	KHALIL-KHAN A	MOBILISATION OF JOINT-RESIDENT MESENCHYMAL STROMAL CELLS FOR ARTICULAR CARTILAGE REGENERATION
04.07	EL-SHERBINY Y (oral)	IL-22 IMPACT ON HUMAN BONE MARROW MESENCHYMAL STEM CELLS FUNCTIONS; A UNIQUE PATHWAY THAT MAY CONTRIBUTE TO ABERRANT NEW BONE FORMATION IN HUMAN SPA
04.08	CHURCHMAN S	REPREDICTING SENESCENCE-RELATED LOSS OF MSC OSTEOGENIC CAPACITY IRRESPECTIVE OF DONOR AGE
04.09	TSIKLAURI L (oral)	ADIPOKINES AFFECT DIFFERENTIATION OF OSTEOARTHRITIS AND OSTEOPOROSIS SPONGIOSA-DERIVED MESENCHYMAL STROMAL CELLS

04.10	RADZIKOWSKA A	THE COMPARISON OF OSTEOCLASTOGENIC POTENTIAL OF BLOOD AND BONE MARROW PLASMA FROM RHEUMATOID ARTHRITIS (RA) AND OSTEOARTHRITIS (OA) PATIENTS
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POSTER TOUR II

SATURDAY, FEBRUARY 27, 13:00-14:00h

POSTER TOUR LEADERS: Phil Conaghan, Maja Buch

ABSTRACT	PRESENTER	TOPIC 5: IMAGING
05.01	BARR A (oral)	THE RELATIONSHIP BETWEEN TOTAL KNEE REPLACEMENT AND 3D MRI KNEE BONE SHAPE: DATA FROM THE OSTEOARTHRITIS INITIATIVE
05.02	KISTEN Y	FLUORESCENCE OPTICAL IMAGING COUPLED WITH ULTRASOUND RADIOGRAPHY FOR DETECTING SUBTLE HAND INFLAMMATION IN EARLY RHEUMATOID ARTHRITIS
05.03	KOENDERS M (oral)	MONITORING THERAPY RESPONSE OF EXPERIMENTAL ARTHRITIS WITH RADIOLABELED TRACERS TARGETING FIBROBLASTS, MACROPHAGES OR INTEGRIN A _v B ₃
05.04	HAYER S	LONGITUDINAL IN VIVO MULTIMODAL [¹⁸ F]FDG PET-CT IMAGING MONITORS THE REVERSIBILITY OF SYSTEMIC INFLAMMATORY PROCESSES UPON TNF BLOCKADE IN EXPERIMENTAL ARTHRITIS
05.05	SAHBUDIN I	PREDICTION OF PERSISTENT INFLAMMATORY ARTHRITIS WITH ULTRASOUND: A DATA-DRIVEN METHOD
05.06	SAHBUDIN I	ULTRASOUND-DEFINED TENOSYNOVITIS PREDICTS RA IN PATIENTS WITH RECENT-ONSET INFLAMMATORY ARTHRITIS
05.07	FISCHER K	THE ROLE OF IMMUNOLOGIC AND INFLAMMATORY FACTORS IN THE RISK OF MICROVASCULAR AND MACROVASCULAR IMPAIRMENT DEVELOPMENT IN SYSTEMIC LUPUS ERYTHEMATOSUS – PRELIMINARY DATA
05.08	GUL H	ULTRASOUND ASSESSMENT OF CLINICAL REMISSION: POWER DOPPLER SYNOVITIS IS ASSOCIATED WITH FLARE
05.09	VAN DELFT M	MRI-DETECTED OSTEITIS IS NOT ASSOCIATED WITH THE PRESENCE OR LEVEL OF ACPA ALONE, BUT WITH THE COMBINED PRESENCE OF ACPA AND RF

05.10	BYRNE R (oral)	GIVE AND TAKE: EVIDENCE FOR TRANSFER OF MITOCHONDRIA VIA NANOTUBES IN FIBROBLAST-LIKE SYNOVIOCYTES
05.11	COURBON G	BONE FORMATION INHIBITION AND EARLY BONE LOSS CORRELATED WITH ARTHRITIS OUTCOME IN RAT ADJUVANT-INDUCED ARTHRITIS
05.12	COURBON G	SYSTEMIC BONE LOSS IS CORRELATED WITH RAT ARTHRITIS SEVERITY
05.13	MANZO A	POWER-DOPPLER ULTRASOUND ASSESSMENT OF THE JOINT-DRAINING LYMPH NODE COMPLEX IN RHEUMATOID ARTHRITIS
05.14	MANZO A	SERUM CXCL13 IS A NON-INVASIVE SYNOVITIS MARKER HOLDING NON-REDUNDANT INFORMATION COMPARED WITH ACUTE PHASE REACTANTS AND AUTOANTIBODIES IN PATIENTS WITH RHEUMATOID ARTHRITIS

POSTER TOUR II

SATURDAY, FEBRUARY 27, 13:00-14:00h

POSTER TOUR LEADERS: Ann Morgan, John Isaacs

ABSTRACT	PRESENTER	TOPIC 6: OMICS
06.01	JI JD	UNIQUE GENE EXPRESSION PROFILE IN OSTEOARTHRITIS SYNOVIUM COMPARED WITH CARTILAGE; ANALYSIS OF PUBLICLY ACCESSIBLE MICROARRAY DATASETS
06.02	KELKKA T (oral)	SOMATIC MUTATIONS IN CLONALLY EXPANDED CD8+ T CELLS IN PATIENTS WITH NEWLY DIAGNOSED RHEUMATOID ARTHRITIS
06.03	SÖDERGREN A	LIPIDOMICS PROFILING DIFFERS IN PATIENTS WITH RHEUMATOID ARTHRITIS AND CONTROLS
06.04	VAN DER KRAAN P	CRISPR/CAS9 MEDIATED GENOME ENGINEERING OF HUMAN MESENCHYMAL STEM CELLS
06.05	GRAHAM A	OPTIMISATION OF THE THP-1 CELL MODEL SYSTEM FOR INTERROGATION OF DIFFERENTIAL MACROPHAGE POLARISATION IN HUMAN DISEASE
06.06	KARTNIG F	P120-CATENIN IS ESSENTIAL FOR FIBROBLAST-LIKE SYNOVIOCYTE FUNCTION IN ORGANIZING THE SYNOVIAL TISSUE
06.07	SMILJANOVIC B	TISSUE- AND CELL-SPECIFIC TRANSCRIPTOMES INDICATE SYSTEMIC NATURE OF RA AND REVEALED COMBINATIONS OF PROTEIN BIOMARKERS RELEVANT FOR DISEASE CHARACTERISATION IN SERUM
06.08	BANOS A (oral)	TRANSCRIPTOME PROFILING BY NEXT GENERATION SEQUENCING OF HEMATOPOIETIC PROGENITORS IN MURINE SYSTEMIC LUPUS ERYTHEMATOSUS (SLE)
06.09	HÄUPL T	NK CELLS AS BIOSENSORS FOR RESPONSIVENESS TO ETANERCEPT IN ANKYLOSING SPONDYLITIS (MORBUS BECHTEREW)

06.10	BAUMGART S	A BIOMARKER DISCOVERY APPROACH FOR URINARY CELLS IN LUPUS NEPHRITIS
06.11	SÖRENSEN T	IMMUNOCLUST BASED ANALYSIS OF CYTOMETRIC PROFILES REVEALS IMMUNOPHENOTYPIC CHANGES IN SYNOVIAL FLUID COMPARED TO PERIPHERAL BLOOD CELLS IN RHEUMATOID ARTHRITIS
06.12	DE JONG T (oral)	PHYSIOLOGICAL EVIDENCE FOR DIVERSIFICATION OF IFNA- AND IFNB-MEDIATED RESPONSE PROGRAMS IN DIFFERENT AUTOIMMUNE DISEASES
06.13	PRATT A	IDENTIFICATION OF NOVEL EXPRESSION QUANTITATIVE TRAIT LOCI IN CD4+ T CELLS OF UNTREATED EARLY ARTHRITIS PATIENTS
06.14	IDBORG H	DYSREGULATIONS IN THE SPHINGOLIPID PATHWAY IN SLE PATIENTS
06.15	IDBORG H	CHARACTERIZATION OF SYSTEMIC LUPUS ERYTHEMATOSUS SUBGROUPS WITH FEATURES OF ANTIPHOSPHOLIPID OR SJÖGRENS'S SYNDROME UTILIZING AFFINITY PROTEOMICS
06.16	JAMIN C	HARMONIZATION OF ELEVEN FLOW CYTOMETERS FOR MULTI-COLOR ANALYSES OF A LARGE COHORT OF PATIENTS IN THE CONTEXT OF THE EUROPEAN IMI PROJECT "PRECISESADS"
06.17	ROBINSON J	FCGR2A ASSOCIATION WITH SUSCEPTIBILITY TO AUTOIMMUNE AND INFLAMMATORY DISEASES
06.18	STIBURKOVA B	ANALYSIS OF ABCG2 GENE IN PRIMARY HYPERURICEMIA AND GOUT
06.19	CHIOCCHIA G	IDENTIFICATION OF AN UNEXPECTED DYSREGULATED PATHWAY BY TRANSCRIPTOMIC ANALYSIS OF MONOCYTE-DERIVED DENDRITIC CELLS (MD-DCS) IN SPONDYLOARTHRITIS (SPA) PATIENTS

POSTER TOUR II

SATURDAY, FEBRUARY 27, 13:00-14:00h

POSTER TOUR LEADERS: Paul Emery, Georg Schett

ABSTRACT	PRESENTER	TOPIC 7: NOVEL THERAPIES
07.01	KAWALKOWSKA J (oral)	ABROGATION OF COLLAGEN-INDUCED ARTHRITIS BY A SECOND GENERATION PEPTIDYL ARGININE DEIMINASE INHIBITOR IS ASSOCIATED WITH A SHIFT FROM TH1/TH17 TO TH2-MEDIATED IMMUNE RESPONSES
07.02	NOËL D	PROTECTIVE EFFECT OF THROMBOSPONDIN-4 EXPRESSING MESENCHYMAL STEM CELLS IN OSTEOARTHRITIS
07.03	BESSIS N	IL-33 INHIBITS EXPERIMENTAL ARTHRITIS THROUGH CD25 ⁺ AND CD25 ⁻ REGULATORY T CELLS ACTIVATION
07.04	KOENDERS M	IL-37: THERAPEUTIC POTENTIAL OF A NATURAL INHIBITOR OF INNATE IMMUNITY DURING ACUTE AND CHRONIC EXPERIMENTAL ARTHRITIS
07.05	KARONITSCH T	BARICITINIB ABROGATES IFN γ -INDUCED FOCAL ADHESION KINASE (FAK) ACTIVATION IN FIBROBLAST-LIKE SYNOVIOCYTES
07.06	HUMRICH J	LOW-DOSE IL-2 THERAPY IN REFRACTORY SLE: INSIGHTS FROM A PHASE I/IIA CLINICAL TRIAL
07.07	NAYAR S	PHOSPHATIDYLINOSITOL 3-KINASE DELTA PATHWAY A NOVEL THERAPEUTIC TARGET FOR SJOEGREN'S SYNDROME
07.08	BAXTER E (oral)	NOVEL AGENTS FOR BLOCKING THE INTERACTION OF IMMUNE COMPLEXES WITH THE ACTIVATORY FC γ RIIIA RECEPTOR
07.09	GARCÍA PEREZ S	CLASS 3 SEMAPHORINS MODULATE THE INVASIVE CAPACITY OF RHEUMATOID ARTHRITIS FIBROBLAST-LIKE SYNOVIOCYTES
07.10	KANONIROVA M	RESULTS OF ABATACEPT TREATMENT IN PATIENTS WITH DIFFERENT DURATION OF RHEUMATOID ARTHRITIS

07.11	GOLDHAHN K	RESVERATROL AND A RESVERATROL-SALICYLATE HYBRID MOLECULE SUPPRESS CYTOKINE PRODUCTION AND PROLIFERATION OF HUMAN CD4 ⁺ T-CELLS
07.12	KONONIROVA M	ANALYSIS OF CLINICAL AND ANTIDESTRUCTIVE EFFECTS OF RITUXIMAB IN RHEUMATOID ARTHRITIS: PRELIMINARY DATA
07.13	BOUTET M (oral)	DISTINCT EXPRESSION OF IL-36 α , β , γ AND THEIR ANTAGONISTS IL-36RA AND IL-38 IN PSORIASIS, RHEUMATOID ARTHRITIS (RA) AND CROHN'S DISEASE (CD)
07.14	TAS S	IDENTIFICATION OF NEW INHIBITORS OF ANGIOGENESIS IN A NOVEL 3D MODEL OF RHEUMATOID ARTHRITIS SYNOVIAL ANGIOGENESIS
07.15	FISCHER A	IN VITRO SILENCING OF HNRNP-A2/B1 IN SYNOVIAL FIBROBLASTS REVEALS INVOLVEMENT IN REGULATION OF SEVERAL SIGNAL TRANSDUCTION PATHWAYS
07.16	DE LA TORRE I	CHARACTERISATION OF CHANGES IN LYMPHOCYTE SUBSETS IN BARICITINIB-TREATED PATIENTS WITH RHEUMATOID ARTHRITIS IN TWO PHASE 3 STUDIES
07.17	LARSSON E	EFFECTS OF BARICITINIB ON MULTIBIOMARKER DISEASE ACTIVITY SCORES AND THEIR COMPONENTS IN A PHASE 2B STUDY IN MODERATE-TO-SEVERE RHEUMATOID ARTHRITIS PATIENTS
07.18	DELOCH L	THE IMPACT OF LOW-DOSE RADIATION ON INFLAMMATORY DISEASES
07.19	MASCHMEYER P	SYSTEMIC INHIBITION OF MIR-148A BY ANTAGOMIRS REDUCES CD4 ⁺ T HELPER CELL NUMBERS AND ALLEVIATES INFLAMMATION IN A PRECLINICAL MODEL OF TRANSFER COLITIS
07.20	SHREDER K	LOW-DOSE IONIZING RADIATION INHIBITS ADIPOKINE INDUCED INFLAMMATION IN RHEUMATOID ARTHRITIS
07.21	MARTON N	THE EFFECT OF EXTRACELLULAR VESICLES ON HUMAN IN VITRO OSTEOCLASTOGENESIS

07.22	KOROTKOVA M	EFFECTS OF WHOLE-BODY VIBRATION EXERCISE ON PHYSICAL CAPACITY AND PROSTAGLANDIN METABOLITES IN PATIENTS WITH SPORADIC INCLUSION BODY MYOSITIS
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POSTER TOUR II

SATURDAY, FEBRUARY 27, 13:00-14:00h

POSTER TOUR LEADERS: Florence Apparailly, Robert Brown

ABSTRACT	PRESENTER	TOPIC 8: EPIGENETICS
08.01	SHUMNALIEVA R	SYSTEMIC AND LOCAL MIRNAS EXPRESSION IN PATIENTS WITH OSTEOARTHRITIS
08.02	O'REILLY S (oral)	METHYL CAP BINDING PROTEIN 2 (MECP2) IN SYSTEMIC SCLEROSIS
08.03	PLANT D (oral)	DIFFERENTIAL METHYLATION AS A BIOMARKER OF RESPONSE TO ETANERCEPT IN PATIENTS WITH RHEUMATOID ARTHRITIS
08.04	MONTEAGUDO S	THE HISTONE METHYLTRANSFERASE DOT1L IS ESSENTIAL FOR GROWTH AND HOMEOSTASIS OF THE ARTICULAR CARTILAGE
08.05	SHUMNALIEVA R	MIRNAS EXPRESSION IN SYSTEMIC LUPUS ERYTHEMATOSUS
08.06	HRUSKOVA V	MICRORNA-125B EXPRESSION IN PBMCS IS INVERSELY ASSOCIATED WITH DISEASE ACTIVITY IN PATIENTS WITH EARLY RHEUMATOID ARTHRITIS
08.07	BERG L	CHARACTERIZING EFFECTS OF EPIGENETIC REGULATION IN ASSAYS USING PERIPHERAL BLOOD MONONUCLEAR CELLS FROM PATIENTS WITH INFLAMMATORY DISEASES
08.08	CREGAN S	THE ROLE OF EPIGENETICS IN DETERMINING THE CLINICAL RESPONSE TO METHOTREXATE FOR THE TREATMENT OF RHEUMATOID ARTHRITIS
08.09	KURREMAN F	TRAINED IMMUNITY IN MONOCYTES FROM RHEUMATOID ARTHRITIS PATIENTS AND HEALTHY INDIVIDUALS
08.10	ARMAKA M (oral)	CELL DEATH SENSITIZATION IN TNF-EXPOSED IKK2-DEFICIENT SYNOVIAL FIBROBLASTS REGULATES DISEASE OUTCOME IN MODELED ARTHRITIS

08.11	PONCHEL F	TH17 CELLS AS A DIAGNOSTIC BIOMARKER FOR RHEUMATOID ARTHRITIS (RA): PILOT DATA USING AN EPIGENETIC QPCR ASSAY
08.12	WADE S	DECREASED EXPRESSION OF MIR-125A IN PSORIATIC ARTHRITIS. IMPLICATIONS FOR JOINT PATHOGENESIS
08.13	WADE S	TLR REGULATED MIR-23A DOWN-REGULATED IN PSORIATIC ARTHRITIS

POSTER TOUR II

SATURDAY, FEBRUARY 27, 13:00-14:00h

POSTER TOUR LEADERS: Dimitrios Boumpas

ABSTRACT	PRESENTER	TOPIC 9: CTD
09.01	JAKOBSSON PJ (oral)	CHARACTERIZATION OF EXTRACELLULAR HISTIDYL-TRNA SYNTHETASE IN MYOSITIS
09.02	STORKANOVA H	HEAT SHOCK PROTEIN 90 PLASMA LEVELS CORRELATE WITH DISEASE ACTIVITY, SKELETAL MUSCLE, LUNG AND HEART INVOLVEMENT IN IDIOPATHIC INFLAMMATORY MYOPATHIES
09.03	ELIES J	EXPLORING THE POTENTIAL OF HAEME-OXYGENASE 1 (HO-1) AS A THERAPEUTIC TARGET FOR PAH ASSOCIATED WITH CTD
09.04	KRYŠTŮFKOVÁ O	SNPS IN THE BAFF GENE ARE ASSOCIATED WITH INCREASED RISK OF ANTI-JO-1-POSITIVITY AND HIGH SERUM BAFF LEVELS IN PATIENTS WITH MYOSITIS
09.05	PSARRAS A (oral)	DISTINCT SUBSETS OF INTERFERON-STIMULATED GENES ARE ASSOCIATED WITH INCOMPLETE AND ESTABLISHED SYSTEMIC LUPUS ERYTHEMATOSUS
09.06	EL-SHERBINY Y	ANALYSIS OF CELL-SPECIFIC INTERFERON RESPONSE IN SYSTEMIC LUPUS ERYTHEMATOSUS USING A NOVEL FLOW CYTOMETRIC ASSAY

POSTER TOUR II

SATURDAY, FEBRUARY 27, 13:00-14:00h

POSTER TOUR LEADERS: Panos Verginis, Francesco del Galdo

ABSTRACT	PRESENTER	TOPIC 10: OTHER
10.01	OKONKWO N	TOO MUCH FOR TOO LITTLE? A RETROSPECTIVE AUDIT ON TEMPORAL ARTERY BIOPSIES
10.02	GABAY C	DEFICIENCY IN IL-1 RECEPTOR TYPE 2 AGGRAVATES K/BXN SERUM TRANSFER-INDUCED ARTHRITIS IN MICE, BUT HAS NO EFFECT IN ENDOTOXEMIA
10.03	CAMBRIDGE G	B CELL DEPLETION WITH RITUXIMAB IN PATIENTS WITH RHEUMATOID ARTHRITIS: MULTIPLEX BEAD ARRAY REVEALS KINETICS OF IGG AND IGA AUTOANTIBODIES TO CITRULLINATED ANTIGENS
10.04	VAN DEN BOSCH M	WISP1, A DOWNSTREAM MEDIATOR OF CANONICAL WNT SIGNALING, INDUCES PATHOLOGY IN EXPERIMENTAL OSTEOARTHRITIS AND PREDICTS DISEASE PROGRESSION IN EARLY OSTEOARTHRITIS PATIENTS
10.05	DEACONU C	OPTIMIZING EXISTING TOOLS FOR REACHING AN ADEQUATE DISEASE CONTROL IN PATIENTS WITH SPONDYLARTHRTIS
10.06	DEACONU C	DETECTING ADALIMUMAB SERUM LEVEL AND ANTI-DRUG ANTIBODIES – FUTURE TOOL IN MONITORING SPONDYLOARTHRTIS PATIENTS?
10.07	ORTIZ A	THE KINETIC CYTOKINE/CHEMOKINE SECRETORY PROFILE IN SURGICAL MODELS OF OSTEOARTHRTIS
10.08	BEERMANN S	DETAILED ANALYSIS OF THE EFFECT OF CRYOPRESERVATION ON THE VIABILITY AND CYTOKINE RELEASE OF HUMAN SYNOVIAL TISSUE
10.09	FEDORENKO E	SAFETY DATA OF FOUR TREATMENT REGIMENS IN EARLY RHEUMATOID ARTHRITIS PATIENTS
10.10	FEDORENKO E	PAIN - THE MAIN INDEX OF TREATMENT EFFECTIVENESS IN EARLY RHEUMATOID ARTHRITIS (RA) PATIENTS: COMPARATIVE EFFICACY OF FOUR TREATMENT REGIMENS

10.11	TAS S	NON-CANONICAL NF-KB SIGNALING IN MICROVESSELS OF ATHEROSCLEROTIC LESIONS IN CORONARY ARTERIES IS ASSOCIATED WITH INFLAMMATORY CELL INFILTRATION AND MYOCARDIAL INFARCTION
10.12	HASSELI R	ADIPOKINES INFLUENCE THE INTERACTION BETWEEN RHEUMATOID ARTHRITIS SYNOVIAL FIBROBLASTS AND ENDOTHELIAL CELLS
10.13	HENSVOLD A	IGG FC GALACTOSYLATION CHANGES AND PREDICTS RESPONSE TO METHOTREXATE IN EARLY RHEUMATOID ARTHRITIS
10.14	WEHMEYER C	INHIBITION OF SCLEROSTIN ACCELERATES TNF α -MEDIATED BONE DESTRUCTION
10.15	BECKMANN D	LASP-1 MODIFIES ECM-SYNOVIAL FIBROBLAST INTERACTIONS IN A MOUSE MODEL OF RA
10.16	CHATZIDIONYSIOU K	RISK FOR LUNG CANCER IN RA AND DIFFERENT RA PHENOTYPES: RESULTS FROM A POPULATION-BASED CASE-CONTROL STUDY
10.17	VERNEROVÁ L	INTERLEUKIN-20 SERUM LEVELS CORRELATE WITH DISEASE ACTIVITY IN RHEUMATOID ARTHRITIS PATIENTS AND DECREASE IN RESPONSE TO RITUXIMAB TREATMENT
10.18	HAUSER B	CORRELATION OF RANKL, OPG AND OPG ANTIBODIES IN RHEUMATIC DISEASES