

# 5<sup>th</sup> World Congress of Inflammation

## SUMMARY WORKSHOP TABLE - SUNDAY 23 SEPTEMBER

	<b>Workshop 01</b> <b>NOS 1</b> <i>Tinto</i>	<b>Workshop 02</b> <b>Immune Response</b> <i>Sidlaw</i>	<b>Workshop 03</b> <b>Genomics/New Technology</b> <i>Fintry</i>	<b>Workshop 04</b> <b>Signalling – 1</b> <i>Kilsyth</i>
13.30	Abstract W01/01	Abstract W02/01	Abstract W03/01	Abstract W04/01
13.40	Activation of the nitric oxide -cyclic GMP pathway in sildenafil -induced analgesia <u>SK Kulkarni</u>	Chemokine expression in experimental autoimmune uveoretinitis <u>Wallace GR</u>	Capturing RNA splicing events for novel target identification and expression profiling in rheumatoid arthritis <u>R Einstein</u>	Competitive protein kinase fluorescence polarization immunoassays for high throughput screening drug discovery <u>Millis, S Z</u>
13.50	Abstract W01/02	Abstract W02/02	Abstract W03/02	Abstract W04/02
	Regulatory mechanism of human inducible nitric oxide synthase gene expression <u>Nunokawa, Y</u>	Regulation of t cell proliferation by metalloproteinases <u>Layton GT</u>	Gene delivery to synovium with lentiviral vectors <u>Gouze E</u>	Effects of PPAR $\gamma$ ligands on NF- $\kappa$ B and AP-1 activation pathways in IL-1 $\beta$ -treated chondrocytes <u>K Bordji</u>
14.00	Abstract W01/03	Abstract W02/03	Abstract W03/03	Abstract W04/03
14.10	The integrin linked kinase (ILK) regulates inducible nitric oxide synthase expression and nitric oxide production in an NF $\kappa$ B-dependent manner <u>S Dedhar</u>	Systemic inflammation and innate immune response in patients with previous acute anterior uveitis <u>Repo H</u>	Expression analysis in articular cartilage via genecalling <sup>®</sup> technology <u>Pahel GL</u>	LPS acts via IL-6 to modulate the expression and phosphorylation of annexin 1 in cell lines derived from the microglia of the neuroendocrine system <u>E Solito</u>
14.20	Abstract W01/04	Abstract W02/04	Abstract W03/04	Abstract W04/04
	Nitric oxide affects differentially cyclooxygenase 1 and 2 activities <u>S Murota</u>	Inhibition of autoimmune diabetes in rats by mycophenolate mofetil is associated with modulation of cytokine production <u>Stosic-Grujicic S</u>	Adenoviral overexpression of murine oncostatin M induces inflammation, proteoglycan depletion and osteophyte formation in murine knee joints <u>A S K de Hooge</u>	Plasmin triggers expression of proinflammatory genes in human peripheral monocytes via AP-1 and IKK $\beta$ -mediated NF- $\kappa$ B activation <u>Syrovetts T</u>
14.30	TEA, COFFEE AND EXHIBITION			
	<b>W05</b> <b>Nos-2</b> <i>Tinto</i>	<b>W06</b> <b>Inflammatory bowel disease</b> <i>Moorfoot</i>	<b>W07</b> <b>Signalling 2</b> <i>Kilsyth</i>	
15.00	Abstract W05/01	Abstract W06/01	Abstract W07/01	
15.10	Relationship between bradykinin, eicosanoids and nitric oxide in <i>bothrops jararaca</i> venom inflammatory reaction <u>SBV Mello</u>	IgE regulates the intensity of mucosal inflammation in experimental model of colitis <u>S Nutten</u>	Identification of THR -66 of Irak as a functionally critical residue conserved in Irak family members <u>K Ross</u>	
15.20	Abstract W05/02	Abstract W06/02	Abstract W07/02	
	Insights into the role of nitric oxide inhibition in the anti-inflammatory effects of a chalcone derivative <u>M L Ferrández</u>	Histone acetylation and inflammation of the bowel <u>Tsaprouni L</u>	TIS11B is a potential regulator of tumor necrosis factor $\alpha$ MRNA <u>Ruth S Phillips</u>	
15.30	Abstract W05/03	Abstract W06/03	Abstract W07/03	
15.40	Nitric oxide production is greatly enhanced in inflamed joint of juvenile rheumatoid patients <u>SBV Mello</u>	Evaluation of the tumor necrosis factor (TNF) family of inhibitors in the dextran sulfate (DSS) model of mouse colitis S Murthy	Inhibitors of nuclear factor $\kappa$ B (NF- $\kappa$ B) activation block edema and cytokine production in the rat carrageenan-induced paw model <u>A Roshak</u>	
15.50	Abstract W05/04	Abstract W06/04	Abstract W07/04	
	Methotrexate therapy reduces nitric oxide levels in synovial fluid of rheumatoid arthritis patients <u>Ieda MM Laurindo</u>	SB-265610, an IL-8 antagonist, is a potent inhibitor of PMN chemotaxis and is effective in the rabbit immune complex model of colitis S Murthy	A novel role for the NF $\kappa$ B pathway in the resolution of inflammation in vivo <u>T Lawrence</u>	
16.00	POSTER SESSION			
18.00	POSTER SESSION			

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## SUMMARY WORKSHOP TABLE - MONDAY 24 SEPTEMBER

	<b>Workshop 08</b> <b>Rheumatoid Arthritis - 1</b> <i>Tinto</i>	<b>Workshop 09</b> <b>PARS</b> <i>Fintry</i>	<b>Workshop 10</b> <b>Cytokines - 1</b> <i>Kilsyth</i>	<b>Workshop 11</b> <b>Neurogenic inflammation</b> <i>Sidlaw</i>
13.30	Abstract W08/01 Selective use of map kinases in activation of synovial cells by MIF <u>Morand EF</u>	Abstract W09/01 Thrombin stimulates platelet endostatin release via protease activated receptor-4 (PAR <sub>4</sub> ) <u>L Ma</u>	<i>Abstract W10/01 withdrawn</i> Abstract 143 – Evidence for the utility of the skin suction blister as a model of inflammation in humans <u>KM Williams</u>	Abstract W11/01 Peripheral effects of neuropeptide Y and related peptides on inflammatory paw edema in the rat <u>M Dimitrijevic</u>
13.40				
13.50	Abstract W08/02 Non-inflammatory disposal of monosodium urate (MSU) crystals by well differentiated macrophages <u>Landis RC</u>	Abstract W09/02 Protease-activated receptor-2 is involved in inflammatory pain N Vergnolle, K Chapman, P Andrade-Gordon, MD <u>JL Wallace</u>	Abstract W10/02 Pro-inflammatory activity of SP-A through inhibition of LPS-induced IL-10 production by murine macrophages <u>L Salez</u>	Abstract W11/02 preprotachykinin-a gene deletion protects mice against acute pancreatitis-associated lung injury <u>M Bhatia</u>
14.00	Abstract W08/03 Intravenous targeting liposomal corticosteroids to inflamed joints as a novel treatment of arthritis <u>Metselaar JM</u>	W09/03 PAR-1 activation causes COX-2-dependent, PGE <sub>2</sub> –independent CI secretion in intestinal epithelial cells <u>Buresi MC</u>	Abstract W10/03 Membrane interleukin-1 $\alpha$ produced in human gingival fibroblasts prolongs survival and stimulates multinucleation of osteoclasts <u>M Kobayashi</u>	Abstract W11/03 Comparison of antihistamine activity of ReN1869 and fexofenadine in healthy male and female subjects <u>Cornelissen K</u>
14.10				
14.20	Abstract W08/04 Endogenous DNA and induction of arthritis <u>Collins L V</u>	Abstract W09/04 Expression of protease activated receptor-2 (PAR <sub>2</sub> ) in primary human gastrointestinal myofibroblasts and stimulation of prostaglandin E <sub>2</sub> synthesis <u>Seymour ML</u>	Abstract W10/04 Cerebral malaria in <u>Plasmodium yoelii nigeriensis</u> infected mice: correlation between hypothermia and the production of pro-inflammatory cytokines <u>Kinhikar AG</u>	Abstract W11/04 Effect of Nerve growth factor (NGF) on cell accumulation in skin: a primary role of neutrophils <u>P A Foster</u>
14.30	TEA, COFFEE AND EXHIBITION			
	<b>Workshop 12</b> <b>Rheumatoid Arthritis - 2</b> <i>Tinto</i>	<b>Workshop 13</b> <b>Cytokines - 2</b> <i>Kilsyth</i>	<b>Workshop 14</b> <b>Inflammation NO</b> <i>Moorfoot</i>	
15.00	Abstract W12/01 Lipid bodies in synovial leukocytes from joint disease patients. Evidences in rheumatoid arthritis <u>V L Gonçalves-de-Moraes</u>	Abstract W13/01 The mitogen and stress-activated protein kinase-1 (MSK1) is involved in TNF- $\alpha$ and IL-1 $\beta$ production and NF $\kappa$ B activation in human monocytes/ macrophages <u>M W Madsen</u>	<i>Abstract W14/01</i> Markers of endothelial dysfunction are reduced by N,N'-diacetyl-L-cystine <u>Ingrid Wernstedt</u>	
15.10				
15.20	Abstract W12/02 The cyclopentenone prostaglandin, 15DEOXY $\Delta^{12-14}$ PGJ <sub>2</sub> , ameliorates murine collagen induced arthritis <u>P R Colville-Nash</u>	Abstract W13/02 Apolipoprotein AII has an antiinflammatory effect <u>A Campa</u>	Abstract W14/02 Local and systemic effects of nitro-prednisolone (NCX-1015) in experimental arthritis <u>M J Paul-Clark</u>	
15.30	Abstract W12/03 Neutrophil superoxide production and chemotaxis after treatment with leflunomide in patients with rheumatoid arthritis <u>Laurindo IMM</u>	Abstract W13/03 IL-17 blockade suppressed joint destruction in murine collagen-induced arthritis <u>LAB Joosten</u>	Abstract W14/03 Enhanced activation of the glucocorticoid receptor by nitro-prednisolone (NCX-1015) <u>F Roviezzo</u>	
15.40				
15.50	Abstract W12/04 Role of GM-CSF in murine arthritis models <u>Hamilton JA</u>	Abstract W13/04 An <i>in vitro</i> and <i>ex vivo</i> analysis of BIRB 796 BS, A P38 MAPkinase (MAPK) inhibitor, on neutrophils in humans <u>JB Madwed</u>	Abstract W14/04 The role of nitric oxide on modulation of citric acid induced cough by aerosolized lipopolysaccharide <u>WM Selig</u>	
16.00	POSTER SESSION			
18.00	POSTER SESSION			

	<b>Workshop 15</b> <b>Respiratory - 1</b>	<b>Workshop 16</b> <b>Apoptosis</b>	<b>Workshop 17</b> <b>COX-2</b>	<b>Workshop 18</b> <b>Leukocyte</b>
13.30	<b>Tinto</b> Abstract W15/01 Interleukins and adhesion molecules in ARDS	<b>Fintry</b> Abstract W16/01 Extracellular annexin I promotes calcium dependent apoptosis of human neutrophils	<b>Sidlaw</b> Abstract W17/01 Differential antinociceptive effect of cyclooxygenase inhibitors in various animal models of nociception	<b>Kilsyth</b> Abstract W18/01 Cathepsin G downregulates the leukocyte CD87/uPAR receptor through proteolysis
13.40	<u>R Vatscha</u>	<u>Solito E</u>	<u>Naveen K Jain</u>	<u>D Pidard</u>
13.50	Abstract W15/02 Oral tolerance prevents the development of airway hyperreactivity and TH2-associated allergic responses in prototypic murine models of asthma	Abstract W16/02 Induction of enterocyte apoptosis by <i>Giardia</i> causes epithelial barrier dysfunction in human duodenal monolayers	Abstract W17/02 UR-8880, a new imidazole derivative as potent, selective and orally active COX-2 inhibitor	Abstract W18/02 Anti-leukocyte elastase activity in airspaces during lps-induced lung inflammation: role of dna and polymorphonuclear neutrophils (PMN)
14.00	Abstract W15/03 Allergen sensitization prevents upregulation of hematopoiesis by indomethacin in mice	Abstract W16/03 Induction of apoptosis in RAW264.7 cells by apicularen A, a cytostatic macrolide	Abstract W17/03 Phospholipases involved in arachidonic acid release & metabolism during acute resolving inflammation	Abstract W18/03 S100 proteins in inflammation and atherogenesis
14.10	<u>Elsas P X</u>	<u>LI Hong</u>	<u>Gilroy DW</u>	<u>Geczy C</u>
14.20	Abstract W15/04 Effects of murine interferon-beta on experimental bleomycin-induced lung injury and fibrosis in mice	Abstract W16/04 Bright LDS-751 fluorescence defines viable cells among neutrophils studied by flow cytometry	Abstract W17/04 Enhancement of the analgesic effect of the $\mu$ opiate fentanyl by the nsaid dexketoprofen trometamol	Abstract W18/04 Lipoteichoic acid from <i>Saphylococcus aureus</i> induces rapid leukocyte adhesion in vivo
14.30	<u>A Azuma</u>	<u>Vuorte I</u>	<u>G Gaitan</u>	<u>SJ Finney</u>
TEA, COFFEE AND EXHIBITION				
	<b>Workshop 19</b> <b>Respiratory - 2</b>	<b>Workshop 20</b> <b>Exotica</b>	<b>Special Symposium 10</b> <b>Cathepsins</b>	
15.00	<b>Tinto</b> Abstract W19/01 Comparison of the inhibition by salbutamol-NO and salbutamol of the bronchoconstriction by histamine in conscious guinea-pigs	<b>Kilsyth</b> Abstract W20/01 Anti-inflammatory activity of an aqueous extract of <i>Lafoensia pacari</i> in murine toxocariasis	<b>Sidlaw</b> Introduction: P Podolin Abstract 10/01 Role of lysosomal cysteine proteinases in antigen presentation to CD4 T cells .	
15.10	<u>JL Burgaud</u>	A P Rogério	A. Rudensky	
15.20	Abstract W19/02 IL-13, leukotrienes, and chemokines orchestrate mucipare metaplasia in allergic mouse lung	Abstract W20/02 gp91 <sup>phox</sup> knockout mice have a protracted acute inflammatory response. Has NADPH oxidase an anti-inflammatory effect?	Abstract 10/02 Tissue specific expression of cathepsins and antigen presentation	
15.30	<u>M Singer</u>	<u>Dean Willis</u>	<u>Brömme D</u>	
15.40	Abstract W19/03 <i>In vivo</i> effects of ONO-6818, an orally active neutrophil elastase inhibitor	Abstract W20/03 Inflammation in zebrafish	Abstract 10/03 Cysteine proteases in antigen presentation and models of inflammation	
15.50	<u>Sekioka T</u> Abstract W19/04 Clinical evaluation of Zafirlukast, a leucotriene receptor antagonist in treatment of bronchial asthma	Abstract W20/04 Effect of <i>P.alliacea</i> and marine sponges extracts on mice pleural mononuclear cells	<u>C. Magill</u>	
16.00	POSTER SESSION <i>finish at 18.00</i>		Abstract 10/04 Reversible cathepsin S (CATS) inhibitors block invariant chain degradation both <i>in vitro</i> and <i>in vivo</i>	
16.10			<u>E.M.Allen</u>	
16.35			Abstract 10/05 Inhibition of cathepsin S blocks invariant chain processing and antigen-induced proliferation <i>in vitro</i> , and reduces the severity of collagen-induced arthritis <i>in vivo</i>	
16.55			<u>PL Podolin</u>	
			Closing: A Rudensky	
	POSTER SESSION until 18.00			

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## SUMMARY WORKSHOP TABLE - WEDNESDAY 26 SEPTEMBER

	<b>Workshop 21 Adhesion</b> <i>Sidlaw</i>	<b>Workshop 22 New Drugs - 1</b> <i>Tinto</i>	<b>Workshop 23 Chemokines –1</b> <i>Kilsyth</i>	<b>Workshop 24 Inflammation RA</b> <i>Fintry</i>
13.30	Abstract W21/01 Roles of human adult endothelial cell adhesion molecules in inflammation	Abstract W22/01 Molecular basis of selective cyclooxygenase-2 inhibition	Abstract W23/01 Treatment with Met -RANTES protects mice against acute pancreatitis-associated lung injury	Abstract W24/01 Reduction of streptococcal cell wall (SCW) induced arthritis in mice lacking IL-18
13.40	<u>K Eccles</u>	<u>G Trummlitz</u>	<u>M Bhatia</u>	L A B Joosten
	W21/02	Abstract W22/02	Abstract W23/02	Abstract W24/02
13.50	Effects of L-NAME treatment on vascular events responsible for leukocyte recruitment induced by <i>Bothrops jararaca</i> venom	UCB 34743, a novel anti-inflammatory agent possessing both H1 antagonist and 5-lipoxygenase inhibitory activity	Modulation of eotaxin formation and eosinophil migration by selective type 4 phosphodiesterase inhibitors	Effects of 15deoxy $\Delta^{12-14}$ PGJ <sub>2</sub> on a model of <i>M.tb</i> -induced monoarticular arthritis
	<u>SBV Mello</u>	<u>Ellis J L</u>	<u>Silva P</u>	<u>Greenslade K</u>
14.00	Abstract W21/03	Abstract W22/03	Abstract W23/03	Abstract W24/03
14.10	Leukocyte activation and microvascular injury after application of PAF in the rat mesentery	Pharmacological evaluation of BIRB 796, a selective inhibitor of p38 MAP kinase (MAPK), in animal models of endotoxic shock, inflammation and arthritis	Peptide AC2-26, derived from the Nterminus of annexin I, prevents allergen-induced pleurisy in rats	Oral effect of a hyperimmune egg (HIE) product on rat established adjuvant arthritis
	<u>Benchimol L A M</u>	<u>JB Madwed</u>	<u>Martins MA</u>	S V Iyer
	Abstract W21/04	Abstract W22/04	Abstract W23/04	Abstract W24/04
14.20	Annexin 1 mimetics abrogate CD11b expression on FMLP- but not PAF stimulated neutrophils	EO1428, a potent inhibitor of cytokine secretion, is a new p38 MAP kinase inhibitor with systemic activity	Regulation of eosinophil chemokine responses by lipid mediators	Oxidized low density lipoprotein regulates cathepsin S and cystatin C expression in human macrophages
	<u>S Yona</u>	<u>T Skak-Nielsen</u>	<u>Subbs V E L</u>	<u>E A Capper</u>
14.30	TEA, COFFEE AND EXHIBITION			
	<b>Workshop 25 New Drugs - 2</b> <i>Tinto</i>	<b>Workshop 26 Chemokines - 2</b> <i>Kilsyth</i>	<b>Workshop 27 Tumour Necrosis Factor</b> <i>Moorfoot</i>	
15.00	Abstract W25/01	Abstract W26/01	Abstract W27/01	
15.10	Inhibition of TNF $\alpha$ in volunteers by oral phosphodiesterase type 4 (PDE4) inhibitor CDP-840	<i>Now a poster, replaced by 104</i> – Serum chemokines correlate with disease activity in patients with retinal vasculitis	The effect of steroid and protease inhibitors on neutrophil deformability in patients with sepsis	
	<u>G Higgs</u>	<u>GR Wallace</u>	<u>Masato Nishino</u>	
	Abstract W25/02	Abstract W26/02	Abstract W27/02	
15.20	Pharmacological profile of ML3000: a new gastric mucosa sparing anti-inflammatory drug with COX/5-lox inhibitory activity	<i>In vitro</i> and <i>in vivo</i> effects of CAT-213, a human anti-eotaxin monoclonal antibody	The TNF- $\alpha$ regulator tristetraprolin (TTP) - a novel therapeutic target in chronic inflammation	
	<u>Tries S</u>	<u>R D May</u>	<u>A M Fairhurst</u>	
15.30	Abstract W25/03	Abstract W26/03	Abstract W27/03	
15.40	Prevention of allergic inflammation by NCX-1015, a novel nitric oxide releasing glucocorticoid	Probing the role of CC chemokine receptor antagonism in inflammation	The involvement of granulocyte colony-stimulating factor administration in patients with sepsis	
	<u>F Turesin</u>	<u>Amanda E I Proudfoot</u>	H Tanaka	
	Abstract W25/04	Abstract W26/04	Abstract W27/04	
15.50	Substituted 4-[2-phenyl-2-(2-aminopyridin-5-yl)-ethyl]pyridine-N-oxides as potent and selective phosphodiesterase-4 inhibitors	Discovery and characterization of a novel series of potent non-urea CXCR2 antagonists	Identification of novel endogenous tnf protecting genes using macro-arrays for differential gene induction	
	<u>Y Ducharme</u>	<u>M R Palovich</u>	<u>Van Molle W</u>	
16.00				
18.00				