RESEARCH CONFERENCES

ESF-FWF Conference in Partnership with LFUI

The Impact of the Environment on Innate Immunity

Universitätszentrum Obergurgl (Ötz Valley, near Innsbruck) I Austria

22-27 April 2007

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1	**Oliver BALMER**	*Competition between co-infecting Trypanosoma brucei strains: direct interference or immune-mediated indirect competition?*
2	**Jenny BANGHAM**	*Coevolution between parasite and host: fruit flies and the sigma virus*
2	**Frida BEN-AMI**	*The Effects of Multiple Infections and their Consequences for the Evolution of Virulence*
4	**Daniela BRITES**	*A Dscam homologue in Daphnia*
5	**Jennifer CARPENTER**	*The recent spread of a vertically transmitted virus through populations of Drosophila melanogaster.*
6	**Anja COORS**	*Pollutant-mediated acceleration of a parasitic disease*
7	**Stéphane CORNET**	*Carotenoids against self-harming immune responses ? Gammarid crustaceans with large carotenoids storage allocate more to the prophenoloxidase system.*
8	**Sylvia CREMER**	*Social disease prophylaxis combines both behavioural and innate immune components*
9	**Ellen DECAESTECKER**	*Host – parasite Red Queen dynamics archived in pond sediment*
10	**Aurore DUBUFFET**	*Variation in the outcome of interactions between a parasitoid wasp and its Drosophila hosts: Insights from parasitoid venoms*
11	**Alison DUNCAN**	*Do parasites induce sexual reproduction in Daphnia?*
12	**Pierre ECHAUBARD & Yannis MICHALAKIS**	*TRANSGENERATIONAL COSTS OF INFECTION FOR THE MOSQUITO AEDES AEGYPTI*
13	**Ylva ENGSTRÖM**	*COMBINATORIAL REGULATION OF INDUCIBLE AND TISSUE-SPECIFIC EXPRESSION OF IMMUNE GENES*
14	**Heike FELDHAAR**	*Immunity in a social context: Do infected ants signal that they are ill?*
15	**Simon FELLOUS**	*Strain-specific trans-generational immune-priming and effect of maternal infection on parasite's development in the yellow fever mosquito.*

16	**Dominique FERRANDON**	*PRR-dependent and PRR-independent detection of fungal infections in Drosophila*
17	**Yann FEVRIER**	*Could the cost of innate immunity be implicated in the variation of life history strategies in the land snail Cantareus aspersus ?*
18	**Sebastian FRAUNE**	*The biology of innate immunity at the basis of animal evolution: host habitat selection in Hydra*
19	**Ane FULLAONDO**	*Serpin/protease interactions in the immune, melanisation and apoptotic pathways in Drosophila*
20	**Anastasia FYTROU**	*Mapping QTL affecting variation in parasitoid resistance in D. melanogaster*
21	**Marie GAUTHIER**	*Innate immune defence of the sponge Amphimedon queenslandica*
22	**Maarit HAATAJA**	*Long-term induction reduces fitness in a great pond snail (Lymnaea stagnalis)*
23	**Eleanor Rachel HAINE**	*Functional consequences of blood clotting in insects.*
24	**Katrin HAMMERSCHMIDT**	*The innate immune system - the only line of defence against Schistocephalus solidus?*
25	**Bodil HERNROTH**	*Manganese induced immune suppression of marine invertebrates*
26	**Christine JESSUP**	*The effect of environment on parasitoid resistance trade-offs in microbial experimental systems*
27	**Frank JIGGINS**	*The evolution of a polymorphic resistance gene in Drosophila*
28	**Gerrit JOOP**	*Stressed damselflies: Effects of natural enemies on immunity*
29	**Anssi KARVONEN**	*Family-level variation in responses to trematode parasitism in a freshwater snail*
30	**Joanna KRZEMIEN**	*Control of blood cell homeostasis in Drosophila larvae by the Posterior Signaling Center*
31	**Igor KUDRYAVTSEV**	*Functional analysis of distinct circulating cells fractions from starfish Asterias rubens*
32	**Shoichiro KURATA**	*Involvement of PGRP-LE in the recognition of intracellular bacterial pathogens*
33	**E. Charlotte KVENNEFORS**	*Pattern Recognition Proteins in the Scleractinian Coral Acropora millepora*
34	**Alice LAUGHTON**	*Developmental immunity in the honeybee, Apis mellifera*
35	**Karen LESSER**	*Natural Genetic Variation in Age-specific Immune Response in Drosophila melanogaster*
36	**Xionghui LIN**	*Purification of properoxinectin, a myeloperoxidase homologue and its activation to a cell adhesion molecule*
37	**Haipeng LIU**	*Anti-Lipopolysaccharide factor interferes with white spot syndrome virus replication in in vivo and in vitro in crayfish, Pacifastacus leniusculus*
38	**Grainne LONG**	*Immunopathology and virulence evolution in rodent malaria.*
39	**Alice MICHEL-SALZAT**	*DC-SIGN evolution and SIV infection in macaques.*
40	**Denis MOGILENKO**	*THE COMPLEMENT COMPONENT C3 GENE HOMOLOGUE IN A STARFISH ASTERIAS RUBENS: CLONING AND ANALISIS OF EXPRESSION*
41	**Tiphaine MONSINJON**	*Changes of functional and morphological parameters in mussel haemocytes exposed to environmental contamination*

42	**Yannick MORET**	*Immunological variation among populations of Gammarus pulex (Crustacea: Amphipoda): influence of the costs and benefits of immune defence*
43	**Darren OBBARD**	*Adaptive Evolution in Antiviral RNAi*
44	**Oliver OTTI**	*Beetles, spores and virulence,*
45	**Jiravanichpaisal PIKUL**	*The impact of temperature on viral and bacterial infection in fresh water crayfish*
46	**Susana RAMOS**	*Activation of melanization in response to Plasmodium sporozoites in mosquito hemolymph*
47	**Markus RANTALA**	*Effects of inbreeding and heterosis on immune defence and life history traits in the two sexes of the autumnal moth, Epirrita autumnata.*
48	**Carolyn RIDDELL**	*Immune specificity in the bumblebee (Bombus terrestris) to it's natural parasite Crithidia bombi*
49	**Ana RIVERO**	*Immunity costs of insecticide resistance in mosquitoes*
50	**Olivia ROTH**	*Specific immune priming within and between life-stages of flour beetles*
51	**Timothy SACKTON**	*Comparative genomics of innate immune pathways in Drosophila*
52	**Ben SADD**	*Insect immunity shows specificity in protection on secondary pathogen exposure.*
53	**Aungakana SAEJENG**	*Dose Response in Plodia interpunctella to Granilosis virus After Artificial Infection Intrahaemocoelic Injection*
54	**Rebecca SCHULTE**	*Experimental coevolution of Caenorhabditis elegans and its microparasite Bacillus thuringiensis*
55	**Otto SEPPÄLÄ**	*Food stress reduces susceptibility to trematode infection in an aquatic snail*
56	**Stefanie SLOS**	*Physiological correlates of combined stress and compensatory growth in the damselfy Lestes viridis*
57	**Ulrich THEOPOLD**	*Cytolysis as an immne reaction*
58	**Matthew TINSLEY**	*Genetic basis of fungal pathogen susceptibility variation in Drosophila melanogaster.*
59	**Line Vej UGELVIG**	*Pathogen recognition capacities in ant societies*
60	**Karine VAN DONINCK**	*Bdelloid rotifers - a unique model system in evolution.*
61	**Mathias WEGNER**	*Recombination and immune genes: a six legged story*
62	**Lena WILFERT**	*THE GENETIC ARCHITECTURE OF IMMUNE DEFENSE AND REPRODUCTION IN MALE BOMBUS TERRESTRIS BUMBLEBEES*