

Sunday 29th April

Evening registration

Monday 30st April

Introduction to the fish immune system

- Introduction to fish cytokines (Steve Bird, Univ Waikato)
- Macrophages and pattern recognition receptors (Geert Wiegertjes, CBI)
- Leukocyte responses during inflammation (Dan Barreda, Univ Alberta)
- Neutrophils of zebrafish (Phil Elks, Univ Sheffield)
- Introduction to fish T cells (Maria Forlenza, CBI)
- Anti-inflammatory cytokines (Carla Piazzon, CSIC)
- Macrophage metabolism (Annelieke Wentzel, CBI)
- TLR signalling in fish (Alex Rebl, FBN)

Evening poster session (i)

Tuesday 1st May

Mucosal immunity

- Mucosal Immunity in zebrafish (Sylvia Brugman, CBI)
- Gut health and microbiota (Sam Martin, SFIRC, Aberdeen)
- Successes and challenges of oral vaccination (Carmen Embregts, CBI)

Practicals in the afternoon

- Cellular assays in innate immunity (technical staff CBI) or
- PC-based practicals on transcriptome information (Sam Martin, SFIRC, Aberdeen, UK)

Evening poster session (ii)

Wednesday 2nd May

Lymphocytes as mediators of acquired immunity

- Fish B lymphocytes (Carolina Tafalla, INIA, Spain)
- Cell-mediated cytotoxicity (Uwe Fischer, FLI)
- B and T cell repertoires (Pierre Boudinot, INRA)

Practicals in the afternoon

- Humoral responses (technical staff CBI) or
- Synteny searches in fish genomes (Steve Bird)

Evening Workshop dinner

Thursday 3rd May

Fish immune stimulation

- CRISPR/Cas9 genome-edited salmonid cells (Bertrand Collet, INRA)
- Beneficial microbes to combat infections of fish (Irene de Bruijn, NIOO)
- Beta glucans as immune modulators (Jules Pettit, CBI)
- Fish at the interface of animal, human and environmental health (Dan Barreda, UA)
- Workshop evaluation (Geert Wiegertjes, CBI) and poster prize award

FISH IMMUNOLOGY WORKSHOP

Wageningen
April 29 - May 3
2018



Cell Biology & Immunology
Aquaculture & Fisheries



WAGENINGEN
UNIVERSITY & RESEARCH

BACKGROUND

The Wageningen fish immunology / vaccination workshops have been organised annually since 1998. Typically, the workshops are characterised by one-hour presentations given by experienced lecturers, taking time to thoroughly introduce each subject. The workshops have been adopted by the International Society for Fish and Shellfish Immunology (ISFSI). This year's (2018) subject is FISH IMMUNOLOGY.

The 19th - 2018 workshop includes two afternoons with a choice between hands-on practicals or updates on recent molecular advances in transcriptome analysis and genome analysis. Further, participants are asked to send an abstract of their research plans and to present a poster, with the best one awarded the poster prize. The official workshop language is English.

OBJECTIVE

The objective of the present workshop is to provide participants with advanced knowledge, both theoretical and practical, on the immune system of fish. During the workshop we will discuss the latest insights in the evolution of the immune system and, in particular, modulation of fish immune responses.

TARGET GROUP

The level of the workshop is targeting academic and company researchers as well as management staff in the aquaculture industry. **We more than welcome PhD students, who have a reduced registration fee.**

REGISTRATION

The number of participants is limited to 35 persons, admitted on a 'first-come' basis. ALL-IN registration includes accommodation, meals and registration. Costs are 400 € for accommodation and meals for the whole workshop period (fee based on a shared room, otherwise 500 €) PLUS a registration fee of 450 € (Ph.D. students), 600 € (post-doc, academic staff) or 750 € (company staff). You pay Value Added Tax (VAT; 21%) over the registration costs only.

Upon registration via our website, WE will make a reservation for your accommodation in the Wageningen International Congress Centre (WICC) where ALL participants and speakers will be staying. This reservation will be made final upon your timely payment of the total costs for accommodation and registration.

Please visit us at : www.wageningenur.nl/cbi

ORGANISATION

WAGENINGEN INSTITUTE OF ANIMAL SCIENCES (WIAS)
Wageningen University & Research
- CELL BIOLOGY & IMMUNOLOGY (CBI)
- AQUACULTURE & FISHERIES (AFI)



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And a recognized part of the PhD curriculum of Nord University*



OUR PARTNERS

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University of Aberdeen, Scotland
Scottish Fish Immunology Research
Centre, SFIRC



University of Waikato,
New Zealand



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