

# FISH IMMUNOLOGY / VACCINATION WORKSHOP PRELIMINARY PROGRAMME

## Sunday 26<sup>th</sup> April

Evening registration

## Monday 27<sup>th</sup> April **Introduction to the fish immune system**

- All you need to know about fish cytokines (Steve Bird, Univ Waikato)
- Introduction to fish macrophage function (Geert Wiegertjes, WUR)
- Leukocyte responses during inflammation (Magdalena Chadzinska, Jagiellonian Univ)
- Introduction to fish B lymphocytes (Carolina Tafalla, INIA)
- Introduction to fish T lymphocytes (Maria Forlenza, WUR)
- Anti-inflammatory cytokines: few but potent (Carla Piazzon, CSIC)
- Cell-mediated cytotoxicity (Uwe Fischer, FLI)
- Zebrafish models for intestinal inflammation (Sylvia Brugman, WUR)

Evening poster session (1)

## Tuesday 28<sup>th</sup> April **How to handle virus infections**

- Interferons and interferon pathways (Pierre Boudinot, INRA)
- Use of knock-out cell lines in studies of IFN pathways (Bertrand Collet, INRA)
- Vaccination against koi herpesvirus disease (KHVD) of carp (Sven Bergmann, FLI)

Practicals in the afternoon

- Cellular assays in innate immunity (technical staff CBI) or
- PC-based practicals on synteny searches in fish genomes (Steve Bird)

Evening poster session (2)

## Wednesday 29<sup>th</sup> April **Facing problems and finding solutions**

- Aquatic animal health in South-East Asia (Chadag Mohan, WorldFish)
- Correlates of protection (Hetron Mweemba Munang'andu, NMBU)
- DNA vaccination (Maria Forlenza, WUR)

Practicals in the afternoon

- Humoral responses (technical staff CBI) or
- PC-based practicals on transcriptome information (Sam Martin, Univ Aberdeen)

Workshop closing dinner

## Thursday 30<sup>st</sup> April **Lessons from industry**

- We will close the week with 3-4 non-commercial lectures from scientists working at or with the pharmaceutical industry and discuss their lessons learnt from working with veterinary species



Wageningen  
April 26-30  
2020

**FISH  
IMMUNOLOGY /  
VACCINATION  
WORKSHOP**

## 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 Developmental and Comparative Immunology (ISDCI). This year's (2020) subject is **FISH IMMUNOLOGY/ VACCINATION**.

As always, the 21<sup>st</sup> - 2020 workshop includes two afternoons with a choice between hands-on practicals, or updates on recent molecular advances in transcriptome 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.

## OBJECTIVES

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, immune modulation, host defence against pathogens and vaccination.

## 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), 650 € (post-doc, academic staff) or 850 € (company staff).

Upon registration via our website, WE will make a reservation for your accommodation at the Wageningen International Conference 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](http://www.wageningenur.nl/cbi) or at [www.wageningenur.nl/afi](http://www.wageningenur.nl/afi)

## ORGANISATION

WAGENINGEN INSTITUTE OF ANIMAL SCIENCES (WIAS)



**CELL BIOLOGY & IMMUNOLOGY (CBI)  
AQUACULTURE & FISHERIES (AFI)**

Wageningen University & Research (WUR)

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For questions contact us at [fish.workshop@wur.nl](mailto:fish.workshop@wur.nl)

*The workshop is supported by:*

**International Society of Developmental and Comparative Immunology**

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



## OUR PARTNERS

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



University of Waikato,  
New Zealand, Department of  
Biological Sciences



INRA  
Jouy-en-Josas, France



Fed Res Inst Animal Health,  
Germany  
Friedrich-Loeffler Inst (FLI)



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