Objectives
Animal health is an issue of increasing concern in animal breeding and is facing new challenges thanks to current major progress in genomics and biotechnologies, opening potential for new approaches to understand host-pathogen interactions. These technologies are paving the way for novel breeding tools. These can be developed thanks to multidisciplinary research bringing in collaborative projects animal health and animal genetics specialists.

The aim of the course is to provide an extensive view on the advances in the field of immunogenetics and genetics of diseases resistance through experimental approaches presented by scientists, experts in different animal species and immune response/disease models. This panel of complementary approaches will serve as a basis for discussion with attendees and as case studies to elaborate strategies to face new challenges in animal health.

Target audience
PhDs, post-docs and advanced MSc students in animal genetics, physiology and pathology undertaking or wishing to undertake a project related to immunogenetics and genetic basis of animal disease resistance. A limited fee will be charged to participants from academic institutions and industry.

Outline
- One week module merging introduction on specific topics by experts, with discussion of on-going research and group work.
- The lectures by experts will give the basic background and last developments in the fields of immunology, immunogenetics and genetics. Where possible participants of the course will give presentation of on-going research in the different fields.
- Examples will be given of recent research projects highlighting recent developments and the way in which different approaches are combined to improve our understanding. These presentations illustrate the necessity of considering the different underlying genetic mechanisms in the interpretation of the results obtained so far.
- The course will concentrate on new challenges in the field of innate and adaptive immunity and of genetic resistance to diseases, and on experimental approaches that can provide guidance on how the different approaches can be used in future research.
- Participants will be asked to work in groups during the course. Participant will work in groups of 2 to 4 persons with different origins and backgrounds. Groups will be asked to study recent
articles and will be asked to propose an approach to address a given scientific question. Each group will present their proposal during the last day in front of all participants.
- The module will be evaluated at the end and this evaluation discussed with the attendees.
- The attendees will be asked to briefly present their specific.

Fees:
A maximum of 30 persons can participate in the course. The registration fee for the course amounts 1,000 Euros for non-students people, 500 Euros for PhD students and 250 Euros for ABIES students. The registration fee includes costs of lunches during the course but does not include cost of hotel accommodation.

Place and time:
The course will be held in AgroParisTech, 16 rue Claude Bernard, F-75231 Paris cedex 05. It will start on Monday 2nd of June at 13.30 and end on Friday 6th of June at 12.30.

Registration:
You can register by sending the joint application form to Adeprina: adeprina@agroparistech.fr

Accommodation:
People that need accommodation are advised to contact one of the hotels indicated on the last page or to find an hotel close to the course venue (e.g. Paris districts 5th, 13th and 14th).

Teachers:
The following persons will contribute to the course:
- Dr Bertrand Bed’hom (Immunogenetics), INRA
- Dr Fanny Calenge (Quantitative Genetics), INRA
- Dr Anne-Christine Lalmanach (Immuno/Pathology), INRA
- Dr Frédéric Lantier (Immuno/Pathology), INRA
- Dr Marie-Hélène Pinard-van der Laan (Quantitative Genetics), INRA
- Dr Isabelle Schwartz (Immunology), INRA
- Prof. Jan van der Poel (Structural Genomics), Wageningen University
- Dr. … … (Immunology), Wageningen University

Contact persons:
For further information you can contact one of the organisers:
- Marie-Hélène Pinard-van der Laan (ABIES): marie-helene.pinard-van-der-laan@jouy.inra.fr
- Jan van der Poel (WIAS): Jan.vanderPoel@wur.nl
- Etienne Verrier (ABIES): etienne.verrier@agroparistech.fr
- Licia Silveri (ABIES): licia.silveri@jouy.inra.fr (local organisation)

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Within the same framework, jointly organised by WIAS and ABIES graduate schools, another graduate course is offered:

The molecular basis of differences between animals
19th to 23rd of May, 2008
Wageningen, The Netherlands

For further information you can contact Johan Van Arendonk (WIAS): johan.vanarendonk@wur.nl

WIAS-ABIES graduate course on immunogenetics
Application form
to be returned to
Mrs. Dominique LEFRANÇOIS
CSAGAD c/o ADEPRINA
16, rue Claude Bernard, F-75231 PARIS cedex 05
Tel. : + 33 - 1 44 08 18 37 - Fax: + 33 - 1 44 08 18 70 - adeprina@agroparistech.fr
Identity Nr: 11-75-01115-75 - Siret Nr 312 097 280 00019

Mrs. ☐ Ms. ☐ M. ☐ (tick the right box)
Family name: ________________________________________________________________
Forename: ________________________________________________________________
PhD student (tick the right box): Yes ☐ No ☐
Institution/company: __________________________________________________________
Department/group: ___________________________________________________________
Postal address: ______________________________________________________________
___________________________________________________________________________
Country: ____________________________________________________________________
Tel. Nr: ________________________ Fax Nr: ________________________
e-mail: _____________________________________________________________________

Payment (tick the right box):
€ 250.00 (ABIES students) ☐ € 500.00 (Other PhD students) ☐ € 1000.00 (Others) ☐
☐ By bank transfer to the following account Nr:

ADEPRINA
16 rue Claude Bernard, F-75231 PARIS cedex 05
International → IBAN: FR76 1820 6001 4114 1900 4000 119
From French banks only → RIB : 18206 00141 14190040001 19
Domiciliation : CRCA PARIS-GOBELINS
BIC (Bank Identifier Code): AGRIFRPP882

☐ By “bon de commande” to CSAGAD c/o ADEPRINA (for French public institutions only)
List of hotels

Carofftel Gobelins
18 avenue des Gobelins, 75005 Paris
Tel.: + 33 - (0)1 42 17 47 47
hotcarof@wanadoo.fr
http://www.carofftel-paris-hotel.com/

Hôtel de l'Espérance
15 rue Pascal, 75005 Paris
Tel.: + 33 - (0)1 47 07 10 99
hotel.esperance@wanadoo.fr
http://hoteldelesperance.fr/

Hôtel Sunny
48 boulevard du Port Royal, 75005 Paris
Tel.: + 33 - (0)1 43 31 79 86
sunny.hotel@wanadoo.fr
http://www.hotelsunny.com/

Hôtel Manet
15 r Edouard Manet, 75013 Paris
Tel.: + 33 - (0)1 45 86 35 99
hotel.manet@wanadoo.fr

Citotel
60 rue Claude Bernard, 75005 Paris
Tel.: + 33 - (0)1 45 35 45 71
contact@citotel.com
http://www.citotel.com/

Hôtel des Arts
8 rue Coypel, 75013 Paris
Tel.: + 33 - (0)1 47 07 76 32
arts@escapade-paris.com
http://hoteldelesperance.fr/

Hotel Comfort Mouffetard
56 rue Mouffetard, 75005 Paris
Tel.: + 33 - (0)1 43 36 17 00
comfort.mouf@wanadoo.fr
http://www.comfort-mouffetard.com/

Hôtel Média
22 rue de la Reine Blanche, 75013 Paris
Tel.: + 33 - (0)1 45 35 72 72

Hôtel de France quartier latin
108 rue Monge, 75005 Paris
Tel.: + 33 - (0)1 47 07 19 04
hotel.de.fce@wanadoo.fr
http://www.parishotels.com/Hotel_de_France_Quartier_Latin_star_fr.html

List of youth hostels

Young and Happy Hostel (21 à 26€)
80 rue Mouffetard, 75005 Paris
Tel.: + 33 - (0)1 47 07 47 07
smile@youngandhappy.fr
http://www.youngandhappy.fr

Bureau des Voyages de la Jeunesse Louvre
20 rue JJ Rousseau, 75001 Paris
Tel.: + 33 - (0)1 53 00 90 90
bvj@wanadoo.fr
http://www.bvjhotel.com

Bureau des Voyages de la Jeunesse Quartier Latin
44 rue des Bernardins, 75005 Paris
Tel.: + 33 - (0)1 53 00 90 90
bvj@wanadoo.frwww.bvjhotel.com
http://www.bvjhotel.com