

MODULO DE IMUNOLOGIA

2011

**GABBA
UNIVERSIDADE DO PORTO**

with the collaboration of the INSERM, FRANCE

P R O G R A M

FROM February 14 to March 4 2011

THE IMMUNE SYSTEM

WEEK 1

MONDAY 14 (Main Auditorium)

9:30 Apresentação do curso **Antonio FREITAS, Benedita ROCHA**

9:30-12:30 Introduction. The immune system **Antonio FREITAS**
(Institut Pasteur - Paris)

14:00-17:00 Introduction. T cell differentiation **Benedita ROCHA**
(Univ. Paris Descartes, INSERM - Paris)

TUESDAY 15 (Main Auditorium)

9:30-12:30 Hematopoiesis **Ana CUMANO**
(Institut Pasteur, INSERM - Paris)

14:00-17:00 Lymphoid organogenesis **Henrique VEIGA-FERNANDES**
(IMM – Lisboa)

WEDNESDAY 16

9:30-12:30 RAG proteins and receptor diversity **Jean-Pierre de VILLARTAY**
(Auditorium B) (Univ. Paris Descartes, INSERM - Paris)

14:00-17:00 B cell development **Anne DURANDY**
(Main Auditorium) (Univ. Paris Descartes, INSERM - Paris)

THURSDAY 17 (Main Auditorium)

9:30-12:30 B cell functional heterogeneity **Manuela ROSADO**
(Ospedale Pediatrico Bambino Gesù- Roma)

14:00-17:00 Somatic hypermutation and B cell memory **Claude-Agnes REYNAUD**
(Univ. Paris Descartes, INSERM - Paris)

FRIDAY 18 (Auditorium B)

9:30-12:30 Lymphocyte homeostasis **Antonio FREITAS**
(Institut Pasteur - Paris)

THE IMMUNE SYSTEM

WEEK 2

MONDAY 21 (Main Auditorium)

9:30-12:30 Antigen processing and presentation **Duarte BARRAL**
(FCM – Lisboa)

14:00-17:00 T cell responses and memory **Benedita ROCHA**
(Univ. Paris Descartes, INSERM - Paris)

TUESDAY 22 (Main Auditorium)

9:30-12:30 Development and function of $\gamma\delta$ T cells **Bruno SILVA-SANTOS**
(IMM – Lisboa)

14:00-17:00 T cell differentiation in the gut **Benedita ROCHA**
(Univ. Paris Descartes, INSERM - Paris)

WEDNESDAY 23

9:30-12:30 Regulatory T cells **Luis GRAÇA**
(Auditorium B) (IMM – Lisboa)

14:00-17:00 Immune pathology of Diabetes **Lucienne CHATENOUD**
(Main Auditorium) (Univ. Paris Descartes, INSERM - Paris)

THURSDAY 24 (Main Auditorium)

9:30-12:30 Toll-like receptors **Jean-Marc REICHHART**
(I.B.M.C. - Strasbourg)

14:00-17:00 Fc Receptors **Renato MONTEIRO**
(Université Paris Diderot, INSERM - Paris)

THE IMMUNE SYSTEM

WEEK 3

TUESDAY 1 (Main Auditorium)

9:30-17:00 Flow Cytometry and single cell PCR

Marta MONTEIRO, Patricia Ribeiro dos SANTOS
(IMM – Lisboa)

WEDNESDAY 2 (Auditorium B)

9:30-17:00 Flow Cytometry and single cell PCR

Marta MONTEIRO, Patricia Ribeiro dos SANTOS
(IMM – Lisboa)

THURSDAY 3 (Main Auditorium)

9:30-12:00 Signaling pathways in T cells

Alexandre CARMO
(IBMC – Porto)

14:00-17:00 Models of TCR triggering

Ricardo FERNANDES
(University of Oxford)

FRIDAY 4 **Mini-Symposium “T Cell Activation”** (Main Auditorium)

10:50 Introduction

Alexandre CARMO
(IBMC, Porto)

11:00 Human cytotoxic T cell function in health and disease

Salvatore VALITUTTI
(Centre Hospitalier Universitaire Purpan, INSERM – Toulouse)

12:00 Consequences of weak and strong interactions in the immune system

Günter HÄMMERLING
(German Cancer Research Center DKFZ, Heidelberg)

14:15 The role of conformational changes in TCR triggering”

Ricardo FERNANDES
(University of Oxford)

15:05 How is TCR signaling initiated?

Oreste ACUTO
(University of Oxford)

15:55 Co-stimulation of T-cell function

Christopher RUDD
(University of Cambridge)

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