



✚ Students from the 1st PGFMA with their teachers.

## Gulbenkian Advanced Medical Training Programme

The Gulbenkian Advanced Medical Training Programme (PGFMA) was set up in 2008, being aimed at fostering and supporting the development of high-quality medical research by practising clinicians. The first edition of the programme started on 1 October 2008 and the 2nd edition on 1 October 2009.

	Amounts in euros
Personnel costs	106 198
Subsidies and grants	374 171
Own activities	132 993
<b>Total</b>	<b>613 362</b>
Receipts	85 740

This report refers a) to the activities relating to the second quarter of the programme's first year (1 January to 31 March, 2009) and b) to the first quarter of the programme's second year (1 October to 31 December 2009).

In its first two years of existence, a total of 20 students were admitted to the programme [10 full-time and 10 part-time students, three of whom (full-time students) are sponsored by the Champalimaud Foundation].

### Second quarter of the programme's first year (January-March, 2009)

#### Postgraduate courses

Between 1 January and 31 March 2009, nine postgraduate courses were taught in English at the institutions shown below. With the exception of the Cancer course (two weeks at IPATIMUP in Porto), all courses lasted for one week.

Course	Organizer	Place
Cancer	Raquel Seruca	IPATIMUP
Immune Disorders	Luís Graça	FML/IMM
Microbiology	Melo-Cristino	FML/IMM
Aging	Rui Costa	IGC
Dev Biol (Symposium)	António Jacinto	FCG
Neurodegenerative Disorders	Tiago Outeiro	FML/IMM
Regenerative Medicine	Domingos Henrique	FML/IMM
Ethics	João Lobo Antunes	FML/IMM
Preparing for Research	António Jacinto	FML/IMM

## Teaching staff

A total of 55 teachers, 28 of whom came from foreign institutions, were involved in the educational activities of these courses (tables 1 and 2):

**Table 1. Teachers from foreign institutions, by course**

Institution	Course	Name
Univ. Medical Center Groningen, Germany	Cancer	Robert Hofstra
Ghent University Hospital, Ghent	Cancer	Marc Mareel
NHI Bethesda, USA	Immune disorders	Crystal L. Mackall
Cambridge UK	Immune disorders	Herman Waldmann
Univ. de Nice-Sophia Antipolis, France	Immune disorders	Valérie Verhassel
Erasmus, Rotterdam, Holland	Microbiology	Albert Osterhaus
Mill Hill, London, UK	Microbiology	Mike Blackman
Erasmus Rotterdam, Holland	Ageing	Jan Hoeijmakers
UCSF, USA	Ageing	David Cristina
Univ. Michigan, USA	Ageing	Geoff Murphy
Centro Nacional de Biotecnología, Spain	Neurodegenerative disorders	José Maria Valpuesta
Uppsala University, Sweden	Neurodegenerative disorders	Martin Ingelsson
University of Zagreb, Croatia	Neurodegenerative disorders	Fran Borovecki
Harvard Medical School, USA	Neurodegenerative disorders	Lydia Finley
Gladstone Inst. Neurol. Disease, UCSF, USA	Neurodegenerative disorders	Paul Muchowski
MGH and Harvard Medical School, USA	Neurodegenerative disorders	Kishore Kuchibotla
UCSF, USA	Regenerative Medicine	Miguel Ramalho-Santos
Cambridge, UK	Regenerative Medicine	Phil Jones
University College, London, UK	Regenerative Medicine	J.T. Daniels
Univ. Milan, Italy	Regenerative Medicine	Giulio Cossu
Harvard University, USA	Regenerative Medicine	Kevin Eggan
UCSF, USA	Regenerative Medicine	Holger Willenbring
UCSF, USA	Regenerative Medicine	Arturo Alvarez-Buylla
UK Research Integrity Office, UK	Ethics & Scientific Integrity	Andrew Stainthorpe
Committee on Publication Ethics, UK	Ethics & Scientific Integrity	Harvey Marcovitch
Freelance science editor, France	Preparing for Research	C. Featherstone
Director of Rockefeller Press, USA	Preparing for Research	Mike Rossner
Independent consultant, Germany	Preparing for Research	Beate Scholz

**Table 2. Teaches from Portuguese institutions, by course**

<b>Institution</b>	<b>Course</b>	<b>Name</b>
IPATIMUP	Cancer	Raquel Seruca
IPATIMUP	Cancer	M Sobrinho Simões
IPATIMUP	Cancer	Fátima Caneiro
IPATIMUP	Cancer	Leonor David
IMM/FML	Immune disorders	Luis Graça
IGC	Immune disorders	António Coutinho
IMM/FML	Immune disorders	Bruno Silva-Santos
IMM	Microbiology	Melo Cristino
IMM/FML	Microbiology	Mário Ramirez
IMM/FML	Microbiology	Maria Mota
IMM/FML	Microbiology	Pedro Simas
Lab. Nacional Invest. Veterinária	Microbiology	Miguel Fevereiro
Instituto de Higiene Med. Tropical	Microbiology	João Pinto
IGC/Champalimaud	Ageing	Rui Costa
IGC	Ageing	Miguel Godinho
IMM/FML	Neurodegenerative disorders	Tiago Fleming Outeiro
IMM/HSM	Neurodegenerative disorders	Joaquim Ferreira
University of Coimbra, Portugal	Neurodegenerative disorders	Ana Cristina Rego
IMM	Regenerative Medicine	Domingos Henrique
FC-UL	Regenerative Medicine	Jorge Pacheco
IMM/FML	Ethics & Scientific Integrity	J Lobo Antunes
Ethics Committee, HSM	Ethics & Scientific Integrity	Mário Miguel Rosa
IMM	Ethics & Scientific Integrity	Dolores Bonaparte
Emeritus Professor/FML	Ethics & Scientific Integrity	J. David-Ferreira
Chief Scientific Officer, HovionePT	Ethics & Scientific Integrity	William Heggie
GlaxoSmithKline, PT	Ethics & Scientific Integrity	Manuel Gonçalves
IMM/FML	Preparing for Research	A. Jacinto

## Assessment of students

Upon completion of their educational programme, the 10 students were interviewed and assessed by the evaluation committee, at the Faculty of Medicine of the University of Lisbon (26 March, 2009).

## Research-activities

The five part-time students returned to their respective health institutions as interns/PhD students, now receiving financial support from the Ministries of Health and Science, Technology and Higher Education. Three of the five full-time students decided to leave the country and attend foreign institutions for the development of their PhD projects, while the other two preferred to remain in Portugal. The host institutions and the respective supervisors of these students are shown below.

### PGFMA-I [2008-2009]

Name			Regime	Institutions (Research project)
Sofia Santos Braga	Specialist	Medical Oncology	Full-time	IGC/FCM-UNL
Maria Rita Dionísio Abreu	Specialist	Medical Oncology	Full-time	Weill Cornell Medical College, NY
Ana Sofia Cerdeira	Intern	Obst/Gynecol	Full-time	Harvard Medical School, Boston
Sandra Garcês Gama	Intern	Rheumatology	Full-time	IGC/Amsterdam University
Filipe Correia Martins	Intern	Obst/Gynecol	Full-time	Dana Farber Cancer Institute, Boston
Ana Bastos Carvalho	Intern	Ophthalmology	Part-time	IPO – Lisboa/FM – UL
Joana Azevedo	Intern	Hematology	Part-time	CHC/King's College London
Teresa Lima Braga	Intern	General Surgery	Part-time	FM – UL
Ricardo Fernandes	Intern	Pediatrics	Part-time	IMM/FM – UL/Amsterdam Medical Center
Nuno Leitão Figueiredo	Intern	General Surgery	Part-time	IMM/FM – UL

Note: In addition to the 10 PGFMA students, a total of 40 PhD students from the Instituto de Medicina Molecular (Institute of Molecular Medicine) benefited from the teaching of the PGFMA courses.

## First quarter of the programme's second year (October-December 2009)

The 10 students admitted to the programme's second edition began their training programme on 1 October 2009 with an opening lecture given by Hanno Pijl (University of Leiden) at the Gulbenkian Institute of Science (IGC).

From October to December 2009, seven formal postgraduate courses were given, as shown below (one week each, except for the course in "Gene Expression", which lasted for two weeks). As in the previous edition of the programme, the "Statistics" course was held at the Faculty of Medicine of the University of Porto.

Course	Place
Get together	IMM/FML & IGC
Gene Expression	IMM/FML
Reading and discussions	IMM/FML
Structural Biology	IGC
Cell Cycle & disease	IGC
Medical Statistics	FM-UP
Epidemiology	IGC
Computational Biology	IGC
Genetics	IGC
PhD-students/MDs/PIs	IGC

In keeping with the recommendations made by the assessment committee, one week of laboratory rotations and direct contact with the principal investigators was introduced in December.