

Gulbenkian Advanced Medical Training Programme

The Gulbenkian Advanced Medical Training Programme (PGFMA) was set up in 2008, being aimed at doctors who are highly motivated towards adding to their assistance activity some research into clinically relevant problems and who wish to acquire solid scientific bases for developing quality research

projects in their specific fields of interest. In this first edition of the programme (2008-2009), the institutions associated with the initiative were the Gulbenkian Science Institute (IGC), the Institute of Molecular Medicine of the Faculty of Medicine of the University of Lisbon (IMM/FMUL) and the Institute of Pathology and Molecular Immunology of the University of Porto (IPATIMUP), having also enjoyed the support of the Champalimaud Foundation, which paid the expenses associated with the training of two cancer specialists admitted to this programme.

The 10 scholarship holders admitted to the first edition of the PGFMA as either part-time or full-time students, began their training on 1 October 2008, with an opening lecture given by professor L. Luzzato of the University of Florence, at the Calouste Gulbenkian Foundation.

	Amounts in euros
Personnel costs	88 110
Own initiatives	123 326
Subsidies and Grants	81 299
Total	292 735
Receipts	20 000

Training component

The training component, which ran from 1 October 2008 to 31 March 2009, included 16 consecutive courses of one to two weeks each. These took place at three different institutions: IGC (seven), IMM/FMUL (seven), IPATIMUP (one) and FM-UP (one). By 31 December 2008, eight of these courses had been held (Epidemiology, Computational Biology, iRNA, Gene Expression, Cell Cycle & Disease, Structural Biology, Genetics, Statistics) involving more than 40 teachers.

It should be stressed that, throughout the training period, 97 teachers will be involved in the teaching of this course, 53 of whom come from foreign institutions (see the table below).

All the courses were intensive, with an average of 9 hours/day, including sessions on some Saturdays and all the national holidays during the term. More than 50% of the activities were devoted to practical exercises (computational exercises, presentation of Journal Clubs by the students, discussion of projects, demonstrations of experimental models in a laboratory environment, etc.).

Besides the 10 students who were admitted to the programme, the educational courses were open to five more students taking their doctorates at IMM. It is estimated that, by 31 March 2009, 40 IMM students will have benefited from the tutorial teaching provided under the scope of the PGFMA.

Assessment of students

The 10 students admitted to the programme were assessed by the organisers of all the courses and will also be assessed by the members of the Selection Committee on 26 and 27 March. On this occasion, they will present their research projects.

Research

All the students who successfully complete the training will begin their research activities on 1 April 2009:

- › at their respective hospitals, in the case of the five interns studying on a part-time basis.
- › at their hospitals or at other institutions, in the case of the five full-time students; two of the full-time students plan to undertake their research project at Harvard University.

PGFMA – Faculty 2008-2009

Belgium		
Ghent University Hospital, Ghent	Marc Mareel	Cancer
Brasil		
Univ. Maranhão	Antônio Silva	Epidemiology
Canada		
Univ. Simon Fraser	Fiona Brinkman	Computational Biology
Croatia		
Univ. of Zagreb	Fran Borovecki	Neurodegenerative Disorders
France		
Univ. of Montpellier II	Jamal Tazi	Gene Expression
Univ. de la Méditerranée, Marseille	Jonathan Ewbank	iRNA
Univ. de Nice-Sophia Antipolis	Valérie Verhassel	Immune Disorders
Germany		
Children's Hospital, Heidelberg	Andreas E. Kulozik	Gene Expression
Univ. of Cologne	Jonathan Howard	Gene Expression
Philipps-Universität, Marburg	Martin Eilers	Cell Cycle & Disease
Max Planck Institute, Martinsried	Erich Nigg	Cell Cycle & Disease
Italy		
Univ. Firenze, Ist. Toscano Tumori	Lucio Luzzatto	Opening lecture
Univ. La Sapienza, Rome	Anna Tramontano	Structural Biology

PGFMA – Faculty 2008-2009

Italy		
Univ. La Sapienza, Rome	Adriana Miele	Structural Biology
Univ Milan	Giulio Cossu	Regenerative Medicine
Univ. La Sapienza, Rome	D. Raimondo	Structural Biology
Netherlands		
Univ. Medical Center Groningen	Robert M.W Hofstra	Cancer
Univ. Erasmus Rotterdam	Albert Osterhaus	Microbiology
Erasmus University, Rotterdam	Jan Hoeijmakers	Aging
Univ. Leiden	Arn Maagdenberg	Genetics
UK		
Univ. Cambridge	Miguel Constanica	Gene Expression
Univ. Cambridge	Phil Jones	Regenerative Medicine
Univ. Oxford	Herman Waldmann	Immune Disorders
Guy's Hospital, London	Michael Antoniou	Gene Expression
Cancer Research UK, Cambridge	James Brenton	Computational Biology
Univ. College, London	David Jones	Structural Biology
Univ. College, London	J.T. Daniels	Regenerative Medicine
Paterson Inst. Cancer Res, Manch.	Karamu Labib	Cell Cycle & Disease
Nat. Inst. Med Res, Mill Hill, Ld	Mike Blackman	Microbiology
London School of Hyg & Trop Med	Laura Rodrigues	Epidemiology
EMBL Eur Bioinform Inst, Cambr.	Dietrich Schumann	Computational Biology
Imperial College, London	David Balding	Computational Biology
UK Research Integrity Office	Andrew Stainhorpe	Ethics
Committee on Public. Ethics, UK	Harvey Marcovitch	Ethics
USA		
Harvard University	Judy Lieberman	iRNA
Harvard Medical School	Marcia Haigis	Neurodegenerative Disorders
Harvard University	Eric Tchetgen	Statistics
Harvard Medical School	Tim Mitchison	Cell Cycle & Disease
Harvard University	Kevin Eggan,	Regenerative Medicine
Harvard University	A. Alvarez-Buylla	Regenerative Medicine
NIH, Bethesda	Crystal Mackall	Immune Disorders
J. Craig Venter Institute, Maryland	Karen Nelson	Computational Biology
Univ. California San Francisco	M. Ramalho-Santos	Regenerative Medicine

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USA		
Univ. California San Francisco	Holger Willenbring	Regenerative Medicine
Univ. California San Francisco	Paul Muchowski	Neurodegenerative Disorders
Univ. California San Francisco	David Cristina	Aging
Univ. Michigan	Geoffrey Murphy	Aging
Univ. of Philadelphia	Phong Tran	Cell Cycle & Disease
Spain		
Centro Nac. de Biotecnol, Madrid	JM Valpuesta	Neurodegenerative Disorders
Univ. Pompeu Fabra, Barcelona	N. Lopez-Bigas	Computational Biology
Sweden		
Univ. Ömea	Dan Holmberg	Genetics
Univ. Uppsala	Martin Ingelsson	Neurodegenerative Disorders
Univ. Uppsala	Richard Rosenqvist	Genetics
Portugal		
IGC/IST	Álvaro Tavares	Cell Cycle & Disease
IGC/FF-UL	Carlos P. Gonçalves	Genetics/Microbiology
IGC	Florence Janody	Cell Cycle & Disease
IGC	Gabriela Gomes	Epidemiology
IGC	João Gonçalves	Microbiology
IGC	José Leal	Computational Biology
IGC	Miguel Godinho	Cell Cycle & Disease
IGC	Mónica Bettencourt	Cell Cycle & Disease
IGC, Fundação Champalimaud	Rui Costa	Aging
IMM/FML-UL	J. Lobo Antunes	Ethics
IMM	Francisco Enguita	Gene Expression
IMM/FML-UL	Luís Moita	iRNA
IMM	Sofia Oliveira	Genetics
IMM	Dolores Bonaparte	Ethics
IMM/FML-UL	Tiago Outeiro	Neurodegenerative Disorders
IMM/FML-UL	Leonor Saúde	Gene Expression
IMM/FML-UL	Maria Mota	Microbiology
FML-UL/IMM	João Ferreira	Gene Expression

PGFMA – Faculty 2008-2009

Portugal		
FML-UL/IMM	José Melo Cristino	Microbiology
FML-UL/IMM	Luís Graça	Immune Disorders
FML-UL/IMM	Mário Ramirez	Microbiology
FML-UL/IMM	Domingos Henrique	Regenerative Medicine
FML-UL/IMM	Pedro Simas	Microbiology
FML-UL	Leonor Parreira	Programme Director
FML-UL/IMM	Margarida Carvalho	Gene Expression
FML	J. David-Ferreira	Ethics
FML-UL/HSM	Thomas Hänscheid	Microbiology
IMM/HSM	Joaquim Ferreira	Neurodegenerative Disorders
HSM	Mário Miguel Rosa	Ethics
INSA	Luísa Romão	Gene Expression
IPO-Lisboa	Paula Chaves	Cell Cycle & Disease
Instituto de Higiene Med. Tropical	João Pinto	Microbiology
Instituto de Higiene Med. Tropical	Pedro Cravo	Microbiology
IPATIMUP/GABBA Programme	Raquel Seruca	Cancer
IPATIMUP/GABBA Programme	Leonor David	Cancer
IPATIMUP/GABBA Programme	Fátima Carneiro	Cancer
IPATIMUP/GABBA Programme	M. Sobrinho Simões	Cancer
Laboratório Nac. Invest. Veterinária	Miguel Fevereiro	Microbiology
Laboratório Nac. Med. Veterinária	Francisco Pinto	Microbiology
Univ. Algarve	Leonor Cancela	Gene Expression
Univ. Coimbra	Ana Cristina Rego	Neurodegenerative Disorders
Univ. Lisboa, Faculdade de Ciências	Jorge Pacheco	Regenerative Medicine
Univ. Nova Lisboa, ITQB	Cecília Arraiano	Gene Expression
Univ. Porto, Faculdade de Medicina	Armando T. Pinto	Statistics
Univ. Porto, IBMC	Helder Maiato	Cell Cycle & Disease
Univ. Porto, IBMC	Maria João Saraiva	Gene Expression
Univ. Minho, Escola Ciências Saúde	Isabel Palmeirim	Gene Expression
Univ. Lisboa, Fac. Ciências	Carlos Farinha	Gene Expression
Univ. Lisboa, Fac. Ciências	Jorge Pacheco	Regenerative Medicine