

School of Health Sciences

P O S T - G R A D U A T I O N
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University of Minho

September 2011



Universidade do Minho
Escola de Ciências da Saúde



School of Health Sciences

Post-graduation Report 2010-2011

University of Minho

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1. Post-graduation: Master and PhD programs

The School of Health Sciences of the University of Minho formally started to offer master and PhD programs, in accordance with the Bologna legislation, in the academic year 2009/2010. Specifically, the School presently offers a Master program in Health Sciences, a PhD program in Health Sciences and a PhD program in Medicine. In July 2011, 18, 14 and 14 students were selected for the 2011/2012 academic year. Of notice, the PhD program in Health Sciences shares with the Medical School of the University of Coimbra and with the Faculty of Medical Sciences, New University of Lisbon an inter-institutional program in Aging and Degeneration of Complex Biological Systems, in which students from the three universities rotate for advanced courses and laboratory rotations; this will count in 2011/2012 with 9 students, 4 from University of Minho, 3 from New University of Lisbon and 2 from University of Coimbra. The programs include a first curricular year composed of advanced courses (for which the list for those until December 2011 are listed in #2) and laboratory rotations (for which the themes proposed by the three research domains at the Life and Health Sciences Research Institute), which is then followed by the preparation of the thesis project and launching of the thesis project. Within the MD/PhD program, 18 students from the 1st to the 4th year participated in the 2011 summer laboratory rotations. One student formally registered in the MD/PhD program in the academic year 2011/2012, which totalizes 4 MD students presently developing their PhD thesis projects.

From January until July 2011,

2. Advanced courses

The postgraduate offer of ECS has been diversified in recent years with a substantial increase in courses and workshops dedicated to the highly specialized training of medical doctors and researchers in the biomedical sciences. From January to September 2nd 2011, the international postgraduate program offered by ECS included 13 courses, from which 4, also opened to external participation, were part of formal programs of doctoral and master's degrees. Below are listed all the courses and workshops proposed for 2011. Detailed information on the courses and workshops is available at www.ecsaude.uminho.pt/pg.

STEM CELLS GET PRACTICAL: APPROACHES ON STEM CELL ISOLATION, CHARACTERIZATION AND DIFFERENTIATION

António Salgado, Luisa Pinto
January 31 - February 4, 2011

ARTERIAL STIFFNESS AND EARLY VASCULAR AGING

Nuno Sousa, Pedro Cunha, Jorge Cotter
February 16-17, 2011

AN INTEGRATIVE APPROACH TO CELL ANALYSIS (3rd Edition)

Cell and tissue culture, flow cytometry and microscopy

António Salgado, Margarida Saraiva, Margarida Correia-Neves, Paula Ludovico
February 21 - March 6, 2011

FETAL AND NEONATAL ENDOSCOPIC SURGERY (3rd Edition)

Jorge Correia-Pinto, Tiago Henriques-Coelho
March 14-16, 2011

BASIC LAPAROSCOPY FOR RESIDENTS AND STUDENTS

João Moreira-Pinto, Emanuel Dias, Cristina Nogueira-Silva
March 25-26, 2011

UROLOGICAL MINIMALLY INVASIVE SURGICAL WEEK (2nd Edition)

Estêvão Lima, Riccardo Autorino, Jens Rassweiler, Jorge Correia-Pinto

- Urological Laparoscopy hands-on course - April 11-12, 2011
- Urological LESS and NOTES hands-on course - April 13-14, 2011

METHODS OF DNA ANALYSIS: STATE OF THE ART (2nd Edition)

Patrícia Maciel, Fernando Rodrigues, Bruno Costa
April 11-21, 2011

GYNECOLOGICAL LAPAROSCOPY (3rd Edition)

António Alves, António Setúbal, Jorge Correia-Pinto
April 28-30, 2011

PHARMACOLOGICAL BASIS OF RATIONAL THERAPEUTICS: ANTIBIOTICS

Carlos Capela, Fátima Baltazar
May 6-7, 2011

OBESITY AND METABOLIC SYNDROME: AN UPDATE

Joana Palha, Henedina Antunes, Vítor Hugo Pereira, Patrícia Maciel
June 15-17, 2011

MENTAL RETARDATION: FROM CLINIC TO GENE AND BACK (2nd Edition)

Patrícia Maciel, Mafalda Barbosa
July 4-8, 2011

HANDS-ON COURSE: SULCI, GYRI, VENTRICLES AND DISSECTING FIBERS (9th Edition)

Nuno Sousa, Carlos Alegria
August 29 - September 2, 2011

2.1 Sponsors

To run the international postgraduate programme, we obtained financial support from several companies: Bial, Calouste Gulbenkian Foundation, Enzifarma, Ethicon Endo-Surgery, Luso-American Foundation, Nestlé, Olympus, Sarstedt, Siemens, Storz and Tadinense. We are grateful to our sponsors for the helpful contribution for this international program of courses and workshops in biomedical sciences.

Global Assessment

In 2011 the International Postgraduate Programme included novel courses in diverse scientific areas and also new editions of courses that have been very successful in previous years and that continue to represent areas of demand among the participants.

The main goal of the post graduation at ECS is to offer a highly specialized training for medical doctors and investigators in biomedical sciences as well as to improve and promote the medical education, an emergent research area that aims to improve individual's abilities to teach. Therefore, we intend to continue offering training in multiple areas through the organization of novel courses every year, but also by promoting additional editions of courses for which the demand is evident.

2.2.1 Participants Background

In 2011, we have a total of 261 participants in the courses and workshops that took place until September 15th 2011. Figure 1 presents the participant's professional background distribution. The vast majority of the participants were medical doctors, which is of notice. The courses mostly addressing biological sciences are still to take place in the Fall of 2011.

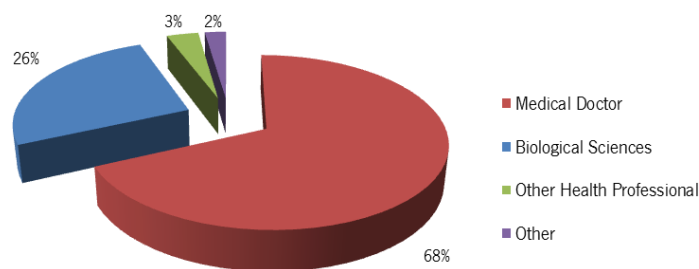


Figure 1 - Background distribution of the participants ("Other Health Professionals" include participants having as background pharmacy, psychology or clinical analysis and public health; "Others" include participants having as background polymer, biotechnological, biological, food technology or chemical engineering).

The participants belong to different national and international institutions as presented in Figure 2.

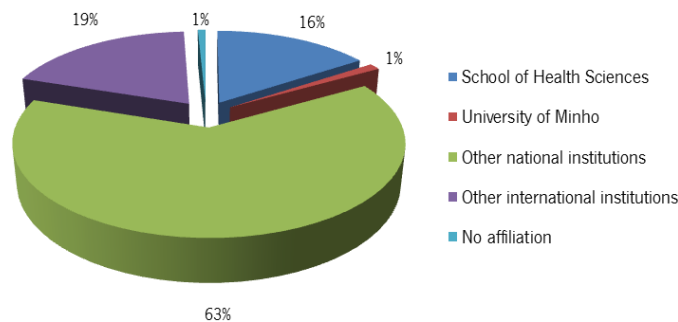


Figure 2 – Participants affiliation.

The vast majority of the participants belong to Portuguese Institutions other than the University of Minho, which is very representative of the growing acceptance of our programme in the national biomedical research and medical communities. Of relevance, 19% of the participants originate from foreign institutions, which highlight the ability of the program to attract as well investigators and medical doctors from other countries.

2.2.2 Evaluation Results

A questionnaire was filled by 190 out of the 261 total participants that enrolled until September 2011, to evaluate several aspects of each course. The overall evaluation provided the results presented in Figure 3: excellent (49%), Very good (44%), Good (5%), Sufficient (2%), Weak/Poor (0%).

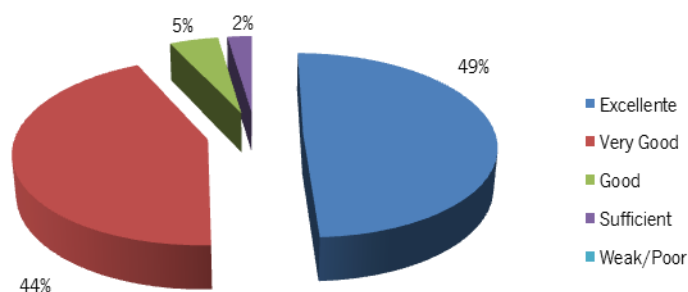


Figure 3 – Evaluation results.

In most cases, participants considered that the courses should be repeated in years to come, and would recommend it to a peer, which represents a great incentive to continue and consolidate the programme.



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