



School of Health Sciences

Post-graduation-Report Academic Year 2013/14

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1. Post-graduation: Master and PhD programs

Until now the post-graduate report has been prepared for the civil year, but from now on it will be prepared taking into consideration the academic year, since this more clearly reflects the academic measures.

The School of Health Sciences (ECS) 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 (including a track, the MD/PhD, in which medical students start the PhD before finishing the medical degree). In 2013 the MD/PhD track was awarded a grant from the Portuguese Science Foundation (FCT), in the first call for FCT PhD Programs. This provides a total of 20 PhD scholarships of four years duration each, to be distributed in four cohorts. Also in 2013, the ECS, together with the Medical School of the University of Coimbra and with the Faculty of Medical Sciences, New University of Lisbon formally presented the inter-institutional PhD program in Aging and Chronic Disease was also awarded in the FCT call for PhD programs, being awarded with 36 PhD scholarships of four years duration each, to be distributed in four cohorts. This funding is considered an high achievement of the formal offer in advanced training in the ECS in the academic year 2013/2014.

In the academic year 2013/2014, 11 students enrolled our PhD programs (3 in Health Sciences and 8 in medicine of which 4 in the MD/PhD track), and 14 enrolled the Master program in Health Sciences.

In the academic year 2013-2014, 10 PhD students, 3 in medicine and 7 in health sciences, and 7 Master students have successfully defended their thesis.

A specific note is always given to the MD/PhD pathway, since as a pre-requisite students must have accomplished at least two summer laboratory rotations in the previous years, which has been responsible for several medical students to engage in research activities. In the summer of 2013, 35 medical students participated in such rotations, which is a clear demonstration of the vitality of the program.

In July 31st 2014 28 Master and 96 PhD students were enrolled in the ECS.

2. Advanced courses

The postgraduate offer of ECS continues its mission to provide the scientific community with opportunities for career development and advanced training, by presenting courses and workshops intended for medical doctors and researchers in the biomedical sciences.

From September 1st 2013 until July 31st 2014, the international postgraduate program offered 46 courses and workshops (listed below), which were attended by a total of 943 participants. This represents almost doubling of the number of courses and of participants when comparing to the previous year.

TEACHING LARGE (OR SMALL) CLASSES ACCORDING TO BOLOGNA

Manuel João Costa
September 12, 2013

FUNDAMENTALS OF ASSESSMENTS IN HIGHER EDUCATION

Manuel João Costa
September 13, 2013

FUNDAMENTALS IN NEUROSCIENCE (6th Edition)

João Carlos Sousa, João Cerqueira, José Miguel Pêgo
September 16-27, 2013

PEDIATRIC ENDOSCOPY (3rd Edition)

Henedina Antunes, Carla Rolanda, Jorge Correia-Pinto
September 19-20, 2013

MICROSURGICAL ANASTOMOSIS (5th Edition)

Nuno Seivas, Pedro Leão, Espregueira-Mendes, Vieira da Silva
September 19-21, 2013

SULCI, GYRI, VENTRICLES AND DISSECTING FIBERS (11th Edition)

Nuno Sousa, Carlos Alegria
September 23-27, 2013

FUNDAMENTALS IN IMMUNOLOGY AND INFECTION (5th Edition)

Gil Castro
September 30 - October 11, 2013

THERAPEUTIC ENDOSCOPY (6th Edition)

Carla Rolanda, Jorge Correia-Pinto
October 3-4, 2013

DIGESTIVE LAPAROSCOPY AND LESS SURGERY (7th Edition)

Novo de Matos, Pedro Leão, Jorge Correia-Pinto
October 7-9, 2013

BILIARY LAPAROSCOPY (5th Edition)

Jaime Vilaça, Daniela Sá Leão, Jorge Correia-Pinto
October 14-16, 2013

FUNDAMENTALS OF GENETICS, DEVELOPMENT AND NEOPLASIA (5th Edition)

Fátima Baltazar, Raquel P. Andrade, Sandra Costa
October 14-25, 2013

RESEARCH METHODOLOGIES (5th Edition)

Manuel João Costa
October 28 - November 8, 2013

BASIC LAPAROSCOPY FOR RESIDENTS (5th Edition)

Cristina Nogueira-Silva, Emanuel Dias, Paulo Mota, Jorge Correia-Pinto
November 4-5, 2013

LABORATORY ANIMAL SCIENCE (9th Edition)

Magda Castelhana-Carlos, Margarida Correia Neves
November 11-22, 2013

MINIMALLY INVASIVE SPINE SURGERY (2nd Edition)

Pedro Varanda, Paulo Cibrão Coutinho, Espregueira-Mendes, Vieira da Silva
November 15-16, 2013

MASSIVE ROTATOR CUFF TEAR: FROM BASIC SCIENCE TO CLINICS

Nuno Seivas, António Salgado, Espregueira-Mendes, Vieira da Silva
November 22-23, 2013

BIOINFORMATICS IN HEALTH SCIENCES (5th Edition)

Raquel P. Andrade, Bruno M. Costa
December 2-13, 2013

BIostatISTICS IN HEALTH SCIENCES (4th Edition)

Patrício Costa
January 6-17, 2014

MEDICAL ACUPUNCTURE (2nd Edition)

António Encarnação, Armando Almeida
January 17 - June 29, 2014

PREMIUM CATARACT SURGERY: ALL THAT YOU WANT TO KNOW

Fernando Silva
January 18, 2014

A HANDS-ON APPROACH TO CELL AND TISSUE CULTURE

from cell isolation, manipulation and characterization to advanced microscopy

António Salgado, Margarida Saraiva, Andreia Teixeira Castro
February 10-21, 2014

HOW TO TEACH 50, 100 OR MORE STUDENTS: WORKING WITH LARGE CLASSES

Manuel João Costa
February 17, 2014

STEM CELLS GET PRACTICAL (4th Edition)

approaches on stem cell isolation, characterization and differentiation

António Salgado, Luisa Pinto
March 10-14, 2014

ONCOLOGY MEETINGS: GASTRIC CANCER - STATE OF ART

Adhemar Longatto, António Mesquita Rodrigues, Fátima Baltazar
March 27-28, 2014

BASIC LAPAROSCOPY FOR RESIDENTS (6th Edition)

Cristina Nogueira-Silva, Emanuel Dias, Paulo Mota, Jorge Correia-Pinto
March 28-29, 2014

ADVANCED THERAPEUTIC ENDOSCOPY

live porcine model hands-on EMR, RFA and ESD workshop

Carla Rolanda, Mário Dinis-Ribeiro
March 31 - April 1, 2014

ARTERIAL STIFFNESS AND EARLY VASCULAR AGING (3rd Edition)

Nuno Sousa, Pedro Cunha, Jorge Cotter
April 3-4, 2014

METHODS FOR GROUPING VARIABLES WITH IBM SPSS STATISTICS (3rd Edition)

Patrício Costa
April 3-4, 2014

FETAL AND NEONATAL ENDOSCOPIC SURGERY (6th Edition)

Tiago Henriques-Coelho, Jorge Correia-Pinto
April 7-9, 2014

WOUNDS AND MINOR SURGERY

Pedro Leão, André Goulart, Hugo Rios, Mesquita Rodrigues
April 28, 2014

GYNECOLOGICAL LAPAROSCOPY (6th Edition)
hands-on course with live porcine models
Hélder Ferreira, João Bernardes, Jorge Correia-Pinto
May 8-10, 2014

TOPICS OF REGRESSION WITH IBM SPSS STATISTICS AND MATLAB (3rd Edition)
Patrício Costa
May 7-9, 2014

2ND UPDATE IN SURGERY FOR FAMILY MEDICINE RESIDENTS
Joana Silva Monteiro, André Goulart, Sandra Martins
May 10 - June 21, 2014

HANDS-ON INTRODUCTION TO THE SCIENTIFIC LITERATURE AND SEARCHING WITH PUBMED
Manuel João Costa
May 15, 2014

WRITING MULTIPLE CHOICE QUESTIONS FOR THE NATURAL AND CLINICAL SCIENCES
Manuel João Costa
May 15, 2014

SULCI, GYRI, VENTRICLES AND DISSECTING FIBERS (12th Edition)
Nuno Sousa, Carlos Alegria
May 19-23, 2014

SLEEP - SNORING AND OSAS: CLINICAL CONCEPTS
Fausto Fernandes, Edilson Zancanella, Geórgia Zancanella
June 3-4, 2014

AROUND THE NOSE: ENDOSCOPIC SINUS SURGERY (3rd Edition)
Fausto Fernandes, Francisco Moreira da Silva, Jorge Correia Pinto
June 5, 2014

AROUND THE NOSE: FUNDAMENTALS IN RHINOSEPTOPLASTY (3rd Edition)
Fausto Fernandes, Francisco Moreira da Silva, Jorge Correia Pinto
June 6, 2014

AROUND THE NOSE: SURGERY FOR SNORING AND OSAS (3rd Edition)
Fausto Fernandes, Carlos Matos, Jorge Correia Pinto
June 7, 2014

INTRODUCTION TO STRUCTURAL EQUATION MODELING WITH AMOS
Patrício Costa
June 11-12, 2014

FUNDAMENTALS IN ARTHROSCOPY (5th Edition)
Rui Duarte, Nuno Ferreira, Espregueira-Mendes, Vieira da Silva
June 12-13, 2014

MASTERCLASS IN LAPAROSCOPIC RADICAL CYSTECTOMY (2nd Edition)
Estêvão Lima, Riccardo Autorino, Jorge Correia-Pinto
July 8, 2014

MASTERCLASS IN LAPAROSCOPIC RADICAL PROSTATECTOMY (3rd Edition)
Estêvão Lima, Riccardo Autorino, Jorge Correia-Pinto
July 9-10, 2014

MASTERCLASS IN ADVANCED 3D-VIDEO-ASSISTED UROLOGICAL SURGERY (5th Edition)
Estêvão Lima, Riccardo Autorino, Jorge Correia-Pinto
July 11-12, 2014

CURRENT DEVELOPMENTS IN EMPATHY TEACHING AND RESEARCH IN THE HEALTH PROFESSIONS
Manuel João Costa, Patrício Costa
July 1, 2014

Detailed information on the courses and workshops is available at www.ecsaude.uminho.pt/pg/courses.

Sponsors

To run the international postgraduate programme, we obtained financial support from several companies: Baptista Marques, Enzifarma, Ethicon Endo-Surgery, Grupo Taper, Olympus, Praxair, Sarstedt, Karl Storz, Tadinense and UtilMédica. We are grateful to our sponsors for the helpful contribution for this international program of courses and workshops in biomedical sciences.

2.1 Global Assessment

2.2.1 Participants Background

Figure 1 presents the professional background distribution of the 943 participants. The vast majority of the participants were medical doctors (75%), which is of notice. The participation of medical doctors reflects the commitment of ECS in continuous medical education, which is being well received by the medical community, not only in the country but also abroad.

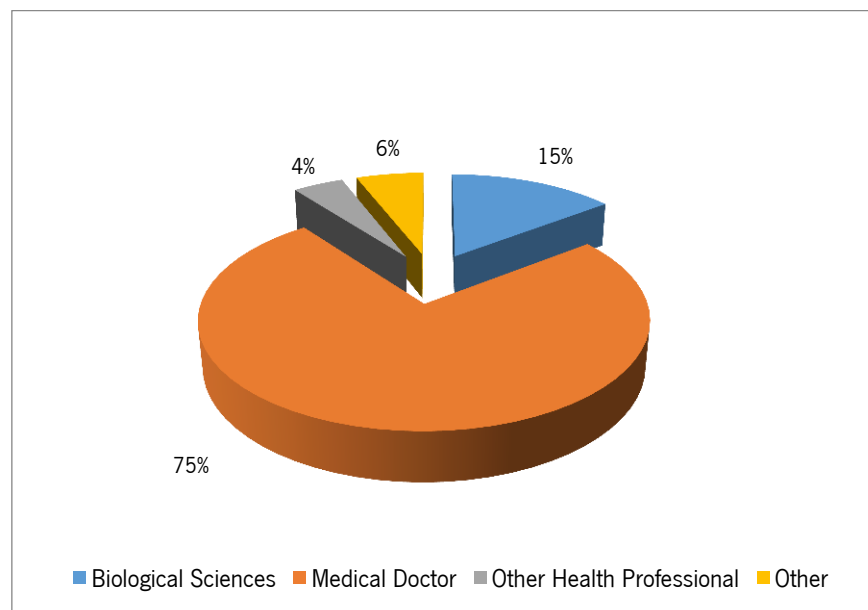


Figure 1 - Background distribution of the participants (“Other Health Professionals” include participants having as background pharmacy, psychology or clinical analysis and public health; “Others”

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.

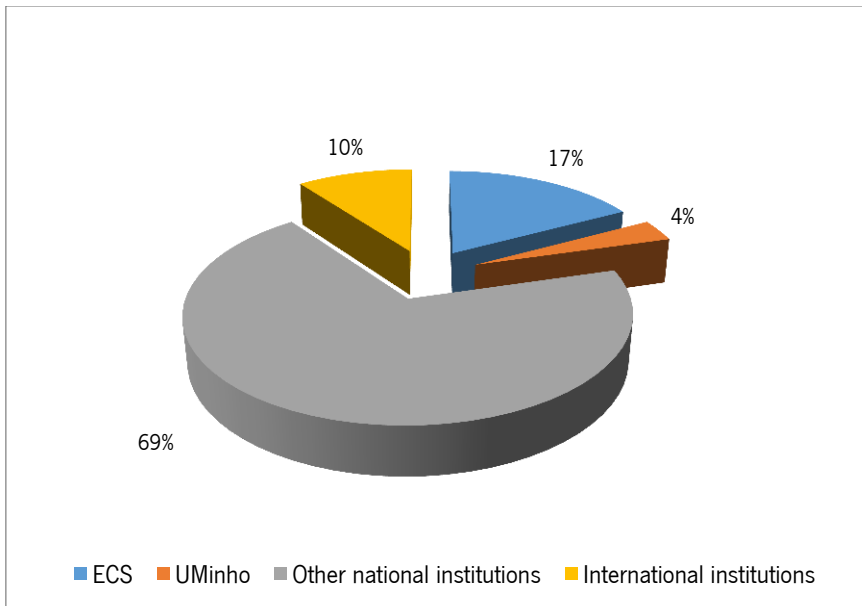


Figure 2 – Participants affiliation.

It is of notice that 79% of the participants belong to Institutions other than the University of Minho, of which 10% originate from foreign institutions, which highlight the ability of the program to attract investigators and medical doctors from other countries, which is a continued trend.

2.2.2 Evaluation Results

A questionnaire was filled by 833 out of the 943 total participants, to evaluate several aspects of each course. The overall evaluation provided the results presented in Figure 3: Excellent (44%), Very good (47%), Good (8%), Sufficient (1%), Weak/Poor (0%).

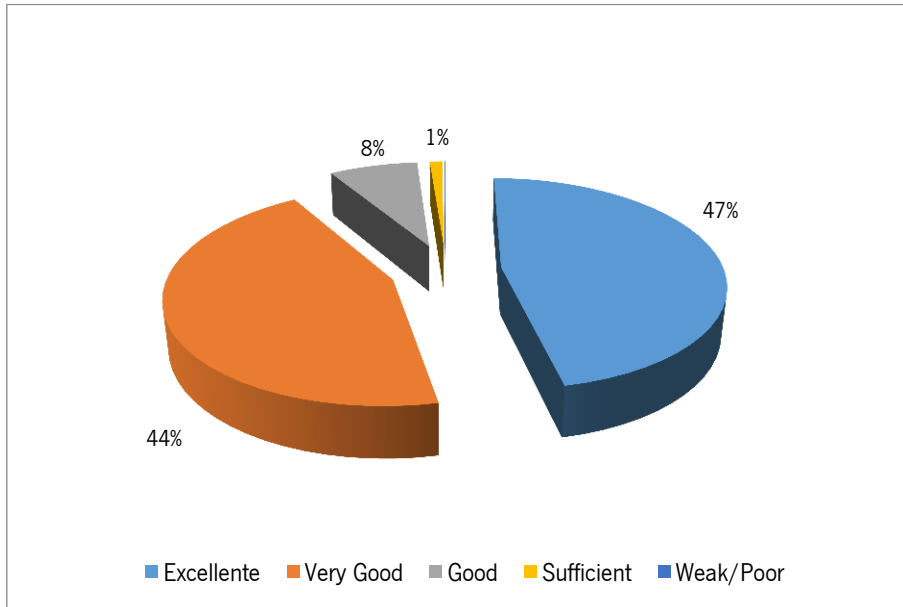


Figure 3 – Evaluation results.