MASTER DEGREE IN APPLIED BIOMEDICINE

UNIVERSIDADE CATÓLICA PORTUGUESA
VISEU

TEACHING TEAM

Ana Sofia Direito dos Santos Duarte
André Venturoti Perrota
Anthony Lins
António José Mendes Ferreira
Célia dos Prazeres Ribeiro
Gustavo Fernandes
Maria José Correia
Marlene Maria Tourais de Barros
Nélio Veiga
Nuno Ricardo das Neves Rosa
Paulo Jorge de Almeida Pereira
Raquel M. Silva
Tereza Cartaxo
Vítor Manuel Pinto de Figueiredo

COORDINATION TEAM

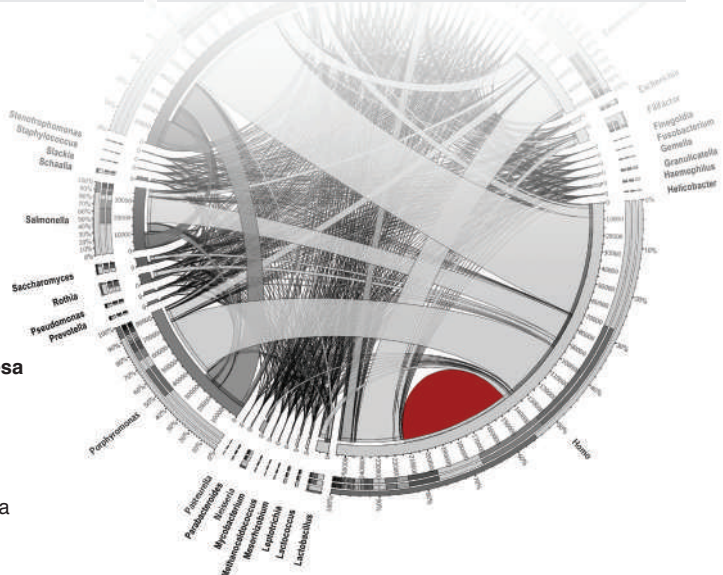
Nuno Rosa
Coordinator
nrosa@ucp.pt

André Venturoti Perrota
Adjunct coordinator for the computing branch

António José Mendes Ferreira
Adjunct coordinator for the management branch

ACCESS, APPLICATIONS AND ADMISSION

Number of vacancies: 20 | https://fmd.viseu.ucp.pt/



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MASTER IN APPLIED BIOMEDICINE **COMPUTING BRANCH**

MASTER IN APPLIED BIOMEDICINE **MANAGEMENT BRANCH**

Catholic
The Value of Values
Creating the future
in the present

APPLIED BIOMEDICINE

An interdisciplinary program in a motivating and productive ecosystem.

WHY THE MASTER IN APPLIED BIOMEDICINE?

"The labor market values profiles that are defined by the transversal and soft skills developed as well as the mastery of diversified conceptual frameworks".

It is in this context that the Master in Applied Biomedicine with a Management Branch and a Computing Branch is developed as a unique and differentiated offer in the national context. Accreditation by A3Es (https://www.a3es.pt/pt/resultados-acreditacao/biomedicina-aplicada)

WHO IS THE MASTER IN APPLIED BIOMEDICINE FOR?

The Master degree in Applied Biomedicine is structured for students who have completed a bachelor's degree in Biomedical Sciences, Biochemistry, Molecular and Cellular Biology, Genetics, Biology, Biomedical Engineering, Biological Engineering or related areas. The Master degree is intended for national and foreign candidates so it can be taught in Portuguese or English.

HOW IS THE MASTER DEGREE IN APPLIED BIOMEDICINE STRUCTURED?

The Master degree aims to prepare professionals for the resolution of current problems in a real context and, in this sense, representatives of entities providing health services, the business sector, in particular pharmaceuticals industry, diagnostic companies and software and application development companies, participate in the training plan. As a teaching/learning method the Master uses Problem/Case Based Learning strategies as well as the development of soft skills (critical analysis, autonomy, group work, reliable information acquisition, integrate, analyze, communicate and discuss results), skills recognized as essential for professional success.

TEACHING SUPPORTED BY RESEARCH

In the second year, the student is challenged to develop a research project by joining research groups at the Center for Interdisciplinary Research in Health (CIIS), the research unit that supports the Master degree.
The project will provide research experience that makes use of the knowledge and skills of Biomedicine, Management and Computational Biology to develop solutions responding to major societal challenges, particularly in Health.

COME BUILD YOUR FUTURE AT CATÓLICA!

The Portuguese Catholic University is a reference institution in Portugal, with a reputation for excellence, a high level of research and a strong connection to society.
Always in tune with the evolution of the characteristics and skills required by the labor market, it offers training programs that guarantee high employability rates for its graduates.The differentiating skills acquired in the Master in Applied Biomedicine will open the doors to a secure and stimulating future.

PREPARE YOUR PROFESSIONAL FUTURE FOR A SUCCESSFUL CAREER ANYWHERE IN THE WORLD!

MASTER DEGREE IN APPLIED BIOMEDICINE

COMPUTING BRANCH

Curricular unit	Total contact hour	Credits
Cell Culture - 1 st year/1 st semester	24,0	5,0
Applied Proteomics, Genomics and Metabolomics - 1 st year/1 st semester	30,0	5,0
Computational Biology - 1 st year/1 st semester	42,0	5,0
Biobanks and Biological Sample Management - 1st year/1 st semester	20,0	5,0
Current Fundamentals and Themes of Management - 1st year/1 st semester	22,5	5,0
Introduction to Programming - 1st year/1 st semester	30,0	5,0
Multivariate Statistics - 1s year/2nd semester	30,0	6,0
Human Resources Management- 1st year/2nd semester	30,0	5,0
Skills in Biomedicine - 1st year/2nd semester	14,0	7,0
Algorithms and Data Structures - 1st year/2nd semester	30,0	6,0
Applied Programming - 1st year/2nd semester	22,5	6,0
Project - 2nd year	30,0	60,0

MANAGEMENT BRANCH

Curricular unit	Total contact hour	Credits
Cell Culture - 1st year/1 st semester	24,0	5,0
Applied Proteomics, Genomics and Metabolomics - 1st year/1st semester	30,0	5,0
Computational Biology - 1st year/1st semester	42,0	5,0
Biobanks and Biological Sample Management - 1st year/1st semester	20,0	5,0
Current Fundamentals and Themes of Management - 1st year/1st semester	22,5	5,0
Organizational Development and Innovation - 1st year/1st semester	22,5	5,0
Multivariate Statistics - 1st year/2nd semester	30,0	6,0
Human Resources Management - 1st year/2nd semester	30,0	5,0
Skills in Biomedicine - 1st year/2nd semester	14,0	7,0
Financial Management - 1st year/2nd semester	30,0	6,0
Strategic and Marketing - 1st year/2nd semester	30,0	6,0
Project - 2nd year	30,0	60,0