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# Universidade Católica Portuguesa (UCP)

***Erasmus+ SMARTI***

Support for Innovative Methodology, Approaches and Tools for Teaching through the Medium of English in order to improve Educational Yield, Sustainability and Internationalization [SMARTI]

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FACULTY OF BIOTECHNOLOGY
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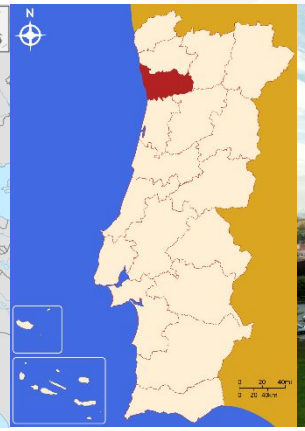
- The College of Biotechnology (ESB) - Universidade Católica Portuguesa (at Porto) was founded in 1984.

- Multiple university activities are carried out, with an emphasis on **Education** (Bachelor's, Master's, PhD and Postgraduate courses), **Research and Development** (projects of fundamental and applied nature), and **Extension** (provision of services, professional training, outreach, interface center - EBRI).

- Research takes place within the scope of the **CBQF Center** (Rating *Excellent*; Associate Laboratory), with activities focused on applied biotechnology with an emphasis on food and nutrition, resources and sustainability, biomaterials and biomedical applications.



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# COMMITMENT TO EMI

| Licenciatures | Masters | PhDs |
|---|---|---|
| • Nutrition Sciences<br>• Bioengineering<br>• Microbiology | • Food Engineering<br>• Biomedical Engineering<br>• Applied Microbiology<br>• Biotechnology and Innovation | • *Biotechnology*<br>• Food Science and Technology and Nutrition |

European Master Of Science In Food Science, Technology And Business (Biftec)
Edamus International Master In "Sustainable Management of Food Quality"

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# *KEY STRATEGIES IN EMI*

- **Learning by Research**: Research Club; Integration of Students in Research Groups; Presentation and Publication; Case Studies;…
- **Problem/Project Based Learning:** focused on market-driven subjects
- **e-Learning**: for self learning, international modules, seminars, courses and projects – open webinars offered and promoted
- **Knowledge transfer programs**: for MSc (Innovation Track); for PhD (Lab2Business)
- **Participation in International Contests**: Ecotrophelia Europe, Angelini Awards; H-INNOVA; HiTech;..
- **International Networks in Education** (ex: ISEKI) and **Research** (ex: ESN)
- **Internationalization in Education**: BSc, MSc and PhD level, mobilities IN and OUT, English modules and courses, seminars and conferences, visiting Professors,
- **Internationalization in Research**: international research projects (+50/year); scientific publications (+120/year); academic theses presented and defended in English, on-campus Company's R&D unit (AMRS: Nasdaq),

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## Eduardo Luís Cardoso

Eduardo Luís Cardoso is coordinator of the UCP project team. A Senior Researcher and Professor at UCP/ESB, he has a PhD in Innovation and is currently Knowledge Transfer and Partnerships Officer at the University and Executive Director of the EBRI Interface Center. **He has been involved in EMI approaches in teaching at MSc and PhD level, articulated with PBL methodologies in areas of innovation, technology transfer and entrepreneurship. Also, with the integration with e-learning strategies.**

## Paula Castro

Paula Castro is Senior Researcher and Full professor at UCP. She has a PhD in Biochemistry Engineering from UCL - University College of London. She is currently the Director of ESB. **She coordinated the 2007 Bologna restructuring of the educational programs with a high laboratory and practice content, student centered methodologies, including a wide range of courses taught in English. ESB-UCP has implemented an EMI strategy at the level of undergraduate, master's and doctoral degrees, with a strong emphasis on learning by research strategy, based on EMI foundations.**

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## Tim Hogg

Tim Hogg is Senior Researcher and Reader in Food Science and Technology at the ESB. He has a PhD in Food Science and Technology from the University of Reading. Former Director of the research center CBQF and former member of the board of Directors of ESB. He is currently Co-Chair of the European Technology Platform: Food for Life.

**He coordinated educational programs in Microbiology and designed several educational offers in biotechnology involving different innovative teaching and learning methodologies, with a special focus on EMI, especially towards the agrifood sector, looking forward to the internationalization of the programs but also to foster wider impact on the students and the ecosystem.**

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