

## XXII NATIONAL CONGRESS OF BIOCHEMISTRY

### Next-Gen Biochemical Challenges Across Borders

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## MARGARIDA FARDILHA

Margarida Fardilha is an Assistant Professor with Habilitation at the Department of Medical Sciences (DCM), University of Aveiro (UA) and the coordinator of the Signal Transduction Lab (STL) at Institute for Biomedicine (iBiMED) - UA. At the pedagogical level, Margarida Fardilha was always dedicated to active learning methodologies, mainly Problem Based Learning (PBL). She has been since 2006 a PBL tutor, has invested in teaching and learning innovation courses, has organized herself courses for PBL tutors, has organized PBL seminars, has participated in educational conferences and is part of projects in the education field. Further, Margarida Fardilha is member of the Support Team for Pedagogical Curricular Innovation of the University of Aveiro a. During her career she has been teaching courses related to biochemistry, molecular biology, molecular biomedicine, genetics in both undergraduate and graduate levels. She was the director of the BSc in Biomedical Sciences (Jan 2012 to Oct 2018) and member of the executive committee of the DCM, UA (Oct 2018 to Jul 2019). Margarida started her undergraduate studies at the University of Porto, in Biochemistry, and during her doctoral work (1998-2004), developed in the Department of Biology at UA, she studied protein complexes involved in the regulation of sperm function using the yeast two hybrid system (Y2H). Her main research topics are related to the role of Phosphoprotein Phosphatase 1 (PPI) in male-related disorders and is involved in the development of a novel male contraceptive based on the modulation of sperm-specific PPI complexes. Margarida has been involved in many research projects as PI and has graduated 46 master and 14 PhD students. Within these projects and other parallel research activities, she has published >151 papers (webofscience 24.1.24), 5 books, and a family of patents (h index=24).