

## XXII NATIONAL CONGRESS OF BIOCHEMISTRY

### Next-Gen Biochemical Challenges Across Borders

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## PEDRO FERNANDES

Pedro Fernandes obtained his Ph.D. in Chemistry focusing on molecular dynamics from the University of Porto, Portugal in 2000. He currently works as a professor in the same university's Faculty of Science, splitting his time between research in the same area and teaching chemical bioinformatics and computational biochemistry courses. His research focuses on determining enzyme reaction mechanisms and enzyme engineering using computational QM/MM methods; protein structure, modeling, energetics, and mutagenesis; drug discovery; the chemistry of snake venoms and the conversion of venoms into drugs.