

## PhD position in De Novo Protein Design

A PhD position is available at the [Protein Design and Modeling lab](#) from the Molecular Biology Institute of Barcelona (IBMB). The institute is located in the Barcelona Science Park, a major hub for biological research and biotech companies, and affiliated to the Spanish National Research Council (CSIC). This is a 4-year PhD position funded by the Ministerio de Ciencia e Innovación (forthcoming “Ayudas para contratos predoctorales para la formación de doctores” call) and associated to our recently granted project on de novo design of protein scaffolds suited for ligand-binding functions.

Our goal in the lab is to design proteins from first principles and tailored to desired structures, circumventing the engineering limitations of natural proteins. We combine computational protein design with biochemical and structural biology techniques to create new proteins for current challenges in biotechnology and therapeutics.

We are looking for a highly motivated scientist with initiative and strong motivation in combining a variety of computational techniques (de novo protein design, folding, docking and molecular dynamics simulations) with experimental testing for protein structure and engineering. The candidate must have studies in Biology, Biochemistry, Biotechnology, Chemistry or related disciplines; and good English communication skills. Previous computational experience is desirable. If you are keen on joining a growing team of protein scientists working on ambitious and multidisciplinary projects please send your CV and a motivation letter to Enrique Marcos ([embcri@ibmb.csic.es](mailto:embcri@ibmb.csic.es)) as soon as possible.