

1	CEIPEX RESEARCH TOPIC LEVEL2 protein structure and dynamics; protein-DNA interactions
2	RESEARCH GROUP Research group for Molecular Biology and Nanomedicine
3	TOPICS/FOCUS Novel approaches to biocompatible proteins modeling
4	SUMMARY Within the proposed topic, we seek for projects aimed on various aspects of <i>in silico</i> protein folding prediction. The applied projects must involve any relevant aspect of protein prediction problem or relevant technical approaches (molecular dynamics, machine learning, <i>etc.</i> ). The main essence of the topic is to develop biocompatible approaches to protein prediction that mimic biological processes responsible for folding with the aim to overcome the drawbacks of AI-based prediction approaches, thus opening new avenues to predict structures of difficult-to-predict proteins.
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