

Resource Summary Report

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University of Athens Biophysics and Bioinformatics Laboratory

RRID:SCR_006180

Type: Tool

Proper Citation

University of Athens Biophysics and Bioinformatics Laboratory (RRID:SCR_006180)

Resource Information

URL: <http://bioinformatics.biol.uoa.gr/>

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Description: Laboratory focuses on research related to the elucidation of the principles governing protein structure and function, under the supervision of Professor Stavros J. Hamodrakas. In particular, original research is carried out along two main axes: # Algorithm development for the prediction of protein structure, function and interactions from amino acid sequence as well as construction of relevant databases. # Application of a variety of Biophysical methods and techniques for protein structure determination and for structural studies of complex, physiologically important, Biological tissues such as insect chorion and cuticle. More than 15 individuals (including post-doctoral researchers, PhD students, MSc and undergraduate students) are currently involved in several ongoing research projects. Apart from research, our lab offers undergraduate courses in Bioinformatics and Molecular Biophysics, which are elective for the degrees (BSc) in Biology (Faculty of Biology) and Physics (Faculty of Physics) of the University of Athens. At the same time, our lab is actively involved in the organization and co-ordination of the MSc Programme in Bioinformatics of the Faculty of Biology.

Abbreviations: University of Athens Biophysics & Bioinformatics Laboratory

Synonyms: Biophysics and Bioinformatics Laboratory at University of Athens, Biophysics and Bioinformatics Laboratory of the Department of Cell Biology and Biophysics of the University of Athens

Resource Type: data or information resource, portal, organization portal, undergraduate program resource, training resource, degree granting program, laboratory portal, graduate program resource

Keywords: biophysics, bioinformatics, protein structure, protein function, protein, protein interaction, amino acid sequence, algorithm, prediction, structure, function, interaction

Resource Name: University of Athens Biophysics and Bioinformatics Laboratory

Resource ID: SCR_006180

Alternate IDs: nlx_151727

Record Creation Time: 20220129T080234+0000

Record Last Update: 20260820T054453+0000

Ratings and Alerts

No rating or validation information has been found for University of Athens Biophysics and Bioinformatics Laboratory.

No alerts have been found for University of Athens Biophysics and Bioinformatics Laboratory.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Xing J, et al. (2024) Comprehensive identification, characterization, and expression analysis of the MORF gene family in Brassica napus. BMC plant biology, 24(1), 475.

Say?? M, et al. (2014) Proline modulates the Trypanosoma cruzi resistance to reactive oxygen species and drugs through a novel D, L-proline transporter. PloS one, 9(3), e92028.