

Maria Amprazi



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SCIENTIFIC INTEREST

My work/ experience at the University of Crete, the IMBB-FORTH and the University of Bristol spans a wide-range of research fields including Molecular Biology, Protein Biotechnology, Structural Biology and Protein Biomaterials.

My main scientific interests are the biophysical and structural characterization of proteins and the protein design of peptide-based building blocks for biomaterials.

EDUCATION

2007-2012 **PhD** in Structural Biology and Protein Biomaterials,
University of Crete and I.M.B.B./F.O.R.TH, Greece

2012 **PhD fellow visitor** in Protein Design, University of Bristol, UK

2005-2007 **Master Degree** in Protein Biotechnology, University of Crete, Greece

2001-2005 **Degree** in Biochemistry & Biotechnology, University of Thessaly, Greece

LABORATORY TECHNIQUES

Molecular Biology, Protein Purification and Biophysical Characterisation, Structural Definition of Proteins, Electron Microscopy, Biosensors.

SCOLARSHIPS

- National PhD Scholarship “**HRAKLEITOS II**” (2009-2012)
- **Short-Term Fellowship by EMBO** for three-month laboratory visiting (2011).
- **Short-Term Fellowship by FEBS** for one-month laboratory visiting (2012).

LANGUAGES

Greek (*mother tongue*), English, French, Italian.

PUBLICATIONS

- Amprazi M. *et al.* (2014) Structural plasticity of 4- α -helical bundle proteins: Cole1 Rop, a molecular assembly puzzle (accepted by **PNAS**)
- Amprazi M., *et al.* (2008) Purification, crystallization and preliminary X-ray diffraction analysis of a variant of the Cole1 Rop protein. **Acta Cryst.** F 64: 432–434.

SELECTED CONFERENCE ANNOUNCEMENTS

- Amprazi M., *et al.* (2012) Turning helical bundles into fibrils via redesign of folding pathways. **Bionanotechnology III: from biomolecular assembly to application**, Cambridge, UK
- Amprazi M., *et al.* (2008) Driving the self-assembly of an α -helical bundle towards nano-fibrils. **40th Erice International Crystallographic Course «From molecules to medicine: integrating crystallography in drug discovery»**, Erice, Italy.
- Amprazi M. and M. Kokkinidis (2007) Rop: a new biomaterial? **International conference «Protein Assembly in Materials, Biology, and Medicine: Direct Impact on Biological Nanosciences»**, Agia Pelagia, Crete, Greece.