

**Personal data**

Surname D'Ursi

Name Pasqualina

Organization and position National Research Council, Researcher

**Brief CV****Education and training**

- 2008 Ph.D. in Molecular Medicine, University of Milan, Italy
- 2001 Professional training for Specialist in Pharmacological Research, Mario Negri Institute for Pharmacological Research of Milan, Italy
- 2000 The Birkbeck College Advanced Certificate in Principles of Protein Structure using internet, University of London
- 1997 BS degree in Biological Science, University of Milan, Italy

**Research and Professional experience**

- 12/2018 to date Researcher, National Research Council, Italy.
- 12/2017 to 12/2018 Fixed term contract researcher, National Research Council, Italy.
- 09/2012–12/2017 Post-doc fellowship, National Research Council, Italy.
- 01/2009–08/2012 Post-doc fellowship, National Research Council, Italy.
- 07/2006-12/2008 Fixed-term contract employee, Consorzio Interuniversitario Lombardo per l'Elaborazione Automatica di Segrate (Mi), Italy
- 11/2004-10/2007 Ph.D. fellowship, University of Milan, Italy
- 02/2003-10/2004 Postdoctoral Fellow, National Research Council, Italy.
- 08/2002-01/2003 Fixed-term contract employee, Fondazione Centro S. Raffaele Del Monte Tabor (Milano), Italy
- 09/2001-06/2002 Post-graduate fellowship, University of Milan, Italy.
- 01/1999-07/2001 Post-graduate fellowship, Mario Negri Institute for Pharmacological Research of Milan, Italy.
- 03/1998-11/1998 Post-graduate internship, Dipartimento di Biologia e Ricerca Tecnologica "DIBIT, Milan, Italy.
- 11/1997-02/1998 Post-graduate internship, National Research Council, Italy.

**Technical skills and competences**

Studies of structure-dynamics-function relationships of proteins, protein-protein and protein-ligand interaction using bioinformatics approaches. In particular: her research activity is focused on understanding the relationship between the molecular structural of a protein and its function. This information is necessary to provide predictions on the effects of disease-causing mutations and positively help drug-design. Computational methods such as molecular modelling, docking, molecular dynamics and bioinformatics have been applied in her research to analyse protein-protein and protein-ligand interactions for drug discovery ( Cystic Fibrosis, Covid19, HIV and Endocrine Disruptors) and the study of the structure-function relationship of mutated proteins involved in the coagulation cascade and rare diseases. Her research activity is supported by Bioinformatics Unit at ITB-CNR, which develops, implements, and applies computational technologies on High Performance Computing to study the biological systems described above.

**Membership in scientific societies**

Full member of the Bioinformatics Italian Society

2018 – Present, Councillors of the Bioinformatics Italian Society

**International Journal Reviewer**

Biomolecules

International Journal of Molecular Sciences,

Marine Drugs

Journal of Biomolecular Structure & Dynamics

Molecules