

CURRICULUM VITAE - ANNA DE GRASSI

PERSONAL INFORMATION

Surname Name De Grassi Anna
Date of birth 03-02-1976
Department Bioscienze, Biotecnologie e Biofarmaceutica
Institution Università degli Studi di Bari “Aldo Moro”
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EDUCATION

2007 PhD in Genetics and Molecular Evolution, University of Bari – Italy
2004 Master Diploma in Bioinformatics, University of Turin – Italy, 110/110
2003 Qualification to practice the profession of Biologist
2002 University Diploma in Biological Sciences, University of Bari – Italy, 110/110 cum laude
1994 Secondary School Diploma, Liceo Classico Q. Orazio Flacco, Bari – Italy, 60/60

RESEARCH ACTIVITY IN ITALY

From October 2012 **Assistant Professor (BIO/13)**, Department of Biosciences, Biotechnology and Biopharmaceutics, University of **Bari**, Computational Genomics applied to Cancer and Rare Diseases
2007-2011 **Post-Doc and Staff Scientist**, Department of Experimental Oncology, European Institute of Oncology, **Milan**, Deep-Sequencing and Evolution of Cancer Genomes
2004-2007 **PhD student**, CNR – Institute of Biomedical Technologies (ITB), **Bari**, Comparative Genomics of gene families in vertebrates and Microarray Analysis of Human Cancer Cell Models
2003-2004 **Master Diploma Student**, Department of Clinical and Biological Sciences, University of **Turin**, Detection and Analysis of Genes Involved in Breast Tumor Progression in the *her/neut* Mouse Model Using Expression Microarrays
2003 **Graduate Student**, Cavalieri Ottolenghi Foundation, **Turin**, Actin-Tubulin Interaction in *D. melanogaster* Embryonic Cell Lines
2001-2002 **Undergraduate Student**, Department of Genetics, University of **Bari**, Evolution of *Stellate-like* and *Crystal-like* Sequences in the Genus *Drosophila*

RESEARCH ACTIVITY ABROAD

Dec. 2011 – Sept. 2012 **Maitre de conférences**, EPHE – Ecole pratique des hautes études, **Paris** – France, Population Genomics and Next-generation Sequencing
2006 **Visiting PhD Student**, Wellcome Trust Sanger Institute, **Cambridge** – UK, Genome-Wide Impact of Nucleotide and Copy Number Variation on Gene Expression Phenotypes.

INTERNATIONAL PATENT

- **Method for Detecting or Diagnosing Genomic Instability** in Colorectal Adenocarcinomas, WO 2010/019588 of 18-02-2010, inventors: FD Ciccarelli and A De Grassi

PUBLICATIONS

see <https://www.ncbi.nlm.nih.gov/pubmed/?term=de+grassi+a%5Bauthor%5D>

FUNDING (Principal Investigator)

- 2018 **FFABR** Italian Competitive Funding for Basic Research activities
- 2014-2017 **MITOCON** Association for the Study and Therapy of Mitochondrial Disorders: "The genetic bases of mitochondrial diseases investigated through a trio-based exome sequencing approach"
- 2018 **University of Bari**, Italy: "Neurodegeneration processes: genetic, biochemical and inflammatory features"
- 2015 **ISCRA** Call C Projects (HP10CO81SJ): "Computational resources for the development of novel bioinformatics tools"
- 2012 **University of Bari**, Italy: "Variability and function of the human genome through comparative genomics approaches"

TEACHING ACTIVITY

- from 2016 **Course of Animal Biology (5 credits)**, Laurea Degree Course in Chemistry and Pharmaceutical Technologies, University of Bari - Italy
- 2013-2015 **Course of Animal and Plant Biology (10 credits)**, Laurea Degree Course in Pharmacy, University of Bari - Italy
- 2008-2011 **Course of Bioinformatics (Organization and Teaching)**, PhD Course in Molecular Medicine, European School of Medicine (SEMM), Milan - Italy

OTHER

- Review Editor of "Frontiers in Genetics", Reviewer Board of "Molecular Biology and Evolution"
- Invited Speaker at several International Congresses on topics mainly regarding the analysis of genomes and next generation sequencing
- 2018 Organization of the International Meeting "Metabolism Meets Function", Bari
- 2015 Organization of the International Congress "NETTAB Network Tools and Applications in Biology", Bari
- 2009 Organization of the Symposium "Impacts of Next Generation Sequencing on Evolution", Meeting of the Society for Molecular Biology and Evolution (SMBE 2009), Iowa City – Iowa (USA)

SCIENTIFIC INTERESTS

- Comparative Genomics and Evolution
- Functional Genomics and Epigenomics
- Human Genome Variations and Disease
- Next Generation Sequencing and Bioinformatics