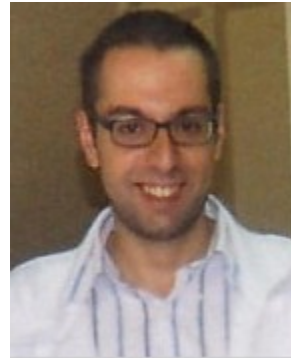


CURRICULUM VITAE



NAME Danilo Gullotto **DATE OF BIRTH** May 9th 1978
E-mail danilo.gto@hotmail.it **NATIONALITY** Italian
biores@acbrc.org
Cell. Phone: +393926265704

EDUCATION

2006/2007 Department of Molecular Biology, University of Siena - Post degree specialization in Structural Biology.

1999/2004 Math Physic and Natural Science University of Catania – Degree in Biology, Bio molecular specialization. Thesis Dissertation Title: “Molecular Modelling Studies. Toward the Interaction between Enzyme and Substrate”.

1998/1999 Post Diploma specialization as “Expert of Control Process Systems – Automation and Electronic Field. I.T.I.S. “Galileo Ferraris” Acireale - Catania.

1996 Advanced English course at Trinity College of Edinburgh – Scotland – UK.

1992/1997 Information Technology High School. I.T.I.S. “Galileo Ferraris” Acireale – Catania.

Languages: Italian, English, Spanish.

PREVIOUS WORKS

**November 2014/
January 2015**

Research Scientist.
Dr. Aita & Associated Inspectors Italia S.r.l., Italy · Catania, Sicily.
Development of a diagnostic panel for the identification, quantification and monitoring of viral and bacterial pathogens that represent a risk factor for transplant patients.

**July 2013/
September 2014**

Research Scientist.
Dr. Aita & Associated Inspectors Italia S.r.l., Italy · Catania, Sicily
Development of a multiplex platform for molecular diagnostics based on instrumental logic LAB_ON_CHIP for multiparametric applications in the field of infectious diseases.

Since 2010

Research Director.
Advanced Computational Biostructural Research Collaboratory Italy · Zafferana Etnea , Sicily (<http://www.acbrc.org>).

**January 2010/
February 2012**

Researching by I.N.B.B. Catania, Chemistry Department of Catania and Discaff (Università del Piemonte Orientale) – Novara, aiming the analysis of “Structural determinants modulating the redox potential of fungal laccases”.

January/July 2007

Voluntary work at the New Nyanza Provincial General Hospital – Kisumu -Kenya as clinician in the Department of Clinical Laboratory attached to Microbiology section.

May/December 2006

Researching in the Molecular Biology Department of Siena University aiming the development of “A new template based method for the prediction of tertiary structure of globular proteins” Supported by Istituto Toscano Tumori.

**November 2005/
January 2006**

Researching in the Chemical Department of Catania University as “Expert in Bioinformatics data processing” supported by Italian Ministry of Research and Education (MIUR).

April/October 2005

Researching in the Chemical Department of Catania University as “Expert in Molecular Modelling of Enzymes for Environment Catalysis” supported by the project “Processi avanzati per la bonifica dei siti industriali contaminati - ARPA”.

ACTIVITIES AND INTERESTS

Public Interests

Volunteer for the African “Pamoja International Voluntary Services” Organization – Nairobi – Kenya.

Personal Interests Reading, writing, Politics. Enjoy playing soccer. Play jogging to keep fit. Travelled to Italy, Scotland, Spain, England, United States, and Kenya. Enjoy Relationship activities.

OTHER SKILLS

Keyboard skills. Computing – knowledge of C++, Python, Biopython, qBasic, Visual Basic, Pascal, AWK (UNIX), Assembly Language for MPU (ST6 single chips), MySQL database. Expertise on using Molecular Dynamics, Simulated Annealing, Monte Carlo, Docking and Protein Analysis Software such as the following: Builder, Discover, Grid, MODELLER, Homology, Discovery Studio package (Accelrys® San Diego Inc), CHARMM, ExPasy sequences analysis programs(www.expasy.org), Entrez Cross Search Database (NCBI Entrez), DeepView Swiss-PDBViewer, UCSF Chimera, MolMol, PyMol, PSI-BLAST, FASTA, ClustalW, HHpred, COMPASS, PHYRE², Abalone, VEGA, TINKER, HHplot, ELM, The University of Houston Brownian Dynamics software, Autodock Vina, PMV ver 1.5.6, Avogadro, PRIMER3, PrimerBlast, Primer Quest, UNAFold Microsoft Office, UNIX and IRIX 6.x iOS knowledge, TaqMan PCR. Analysis and identification methods of clinical micro organism strains Light Microscopy skills. Driving license since 1996.

RESEARCH PUBLICATIONS

Scientific journals:

D. Gullotto, M.S. Nolassi, A. Bernini, O. Spiga, N. Niccolai. **Probing the protein space for extending the detection of weak homology folds.** J Theor Biol 320, 152-158 (2013).

M.T. Cambria, **D. Gullotto**, S. Garavaglia, A. Cambria. **In silico study of structural determinants modulating the redox potential of *Rigidoporus lignosus* and other fungal laccases.** J Biomol Struct Dyn.; Vol. 30(1); 89-101 (2012).

V. Librando, A. Cambria, A. Alparone, **D. Gullotto**. **Computational analyses of virtual proteolytic fragments generated by naphthalene 1, 2-dioxygenase. In search of native-like conformation and function.** Molecular Simulation; Vol. 33; 231-237 (2007).

V. Librando, **D. Gullotto**, Z. Minniti. **Automated molecular library generation of proteic fragments by virtual proteolysis for molecular modelling studies.** In Silico Biology; Vol. 6(5); 449-457 (2006).

V. Librando, **D. Gullotto**, Z. Minniti. **High throughput approach of leads selection for soil bioremediation.** Preprints of Extended Abstracts presented at the ACS National Meeting, American Chemical Society, Division of Environmental Chemistry. 45(2):245-246 (01/2005).

Abstracts and Conference Proceedings:

E. Bolzacchini¹, L. Ferrero¹, C. Lo Porto¹, M. G. Perrone¹, G. de Gennaro², P. Bruno², M. Caselli², P. R. Dambrosio², B. E. Daresta², C. M. Placentino², M. Tutino², M. Amodio², D. Baldacci, M. Stracquadanio, L. Tositti, S. Zappoli, **D. Gullotto**, V. Librando, Z. Minniti, G. Perrini, G. Trincali, S. Becagli, A. Mannini, R. Udisti, C. Paradisi, A. Tapparo, P. Barbieri, L. Capriglia, F. Cozzi, E. Maran, E. Reisenhofer, V. Sicardi, P. Fermo, A. Piazzalunga. **Concentration and the chemical characterization of PM10 and PM2.5 in all the Italian territory**. European Aerosol Conference 2007, Salzburg, Abstract T13A235. (2007).

Vito Librando, **Danilo Gullotto**, and Zelica Minniti. **Automatic molecular library generation of processed bioenzymes by proteolysis methods for bioremediation processes**. National Meeting Washington, DC, Aug 28 - Sep 1, (2005).

Vito Librando, **Danilo Gullotto**, and Zelica Minniti. **Library generation and lead selection for optimal laboratory procedure of environmental biocatalists**. National Meeting Washington, DC, Aug 28 - Sep 1, (2005).

Published Datasets:

Vito Librando, **Danilo Gullotto**, Zelica Minniti. **Supplement – Tables**.

Gullotto D, Nolassi MS, Bernini A, Spiga O, Niccolai N - **Appendix A. Supporting information**

Posters:

Vito Librando, **Danilo Gullotto**, and Zelica Minniti. **Automatic molecular library generation of processed bio enzymes by proteolysis methods for bioremediation processes**. Abstracts, 230th ACS National Meeting Washington, DC, Aug 28 - Sep 1, (2005).

Journal Referee for:

“Applied Biochemistry and Biotechnology”.

REFEREES

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Professor Antonio Cambria
Full Professor of Biochemistry (retired)
Honorary President of the Section I.N.B.B.
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