

Elio Biffali



Born in Naples (Italy) on 24/02/1955

Tel.: +39 081 5833298

Fax: +39 081 7641292

e-mail: elio.biffali@szn.it

Skype: eliobif

Current Position: I Tecnologo, II° livello, Senior Technologist

Current Affiliation:

Integrated Marine Ecology Section (RIMAR), Stazione Zoologica Anton Dohrn, Napoli (Italy) and Coordinator of Molecular Biology and Bioinformatic Unit (MB&BI)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Università degli Studi di Napoli "Federico II"	First degree (Msc), Summa cum Laude	1985	Biological Sciences.
Università degli Studi di Napoli "Federico II"	Qualification to the profession of Biologist	1986	Biological Sciences.
Università degli Studi di Napoli "Federico II"	Ph.D.	1993	Molecular Biology and Pathology.
Università degli Studi di Napoli "Federico II"	Qualified in General Pathology	1993	Molecular Biology and Pathology.
Stazione Zoologica A. Dohrn, Napoli	Postdoc	1993-1994	Molecular Biology, Gene Expression and Cellular Development.
Stazione Zoologica Anton Dohrn, Napoli, Italy	Technologist (Tecnologo)	1994	Molecular Biology, Gene Expression and Cellular Development.
Stazione Zoologica Anton Dohrn, Napoli, Italy	Senior Technologist (1° Tecnologo)	2000 - present	Molecular Biology.

Appointments

2000 -2014: Coordinator of the Molecular Biology Service (SBM).

2010 – 2014: Coordinator of the Technologies for the Study of Gene Expression Service (STEG).

2011: Coordinator of the Computer and Network Technologies Service (IRT).

2015 – Present: Coordinator of Molecular Biology and Bioinformatic Unit (MB&BI).

Other

2012 – 2015: Scientific director of the research program PON01_01426.

List of publications of the last 10 years:

Peer-reviewed publications:

De Felice B., Annunziata A., Fiorentino G., Borra M., Biffali E., Coppola C., Cotrufo R., Brettschneider J., Giordana M.L., Dalmay T., Wheeler G., D'Alessandro R. (2014). miR-338-3p is over-expressed in blood, CFS, serum and spinal cord from sporadic amyotrophic lateral sclerosis patients. *Neurogenetics* 15 (4), 243-253.

De Felice B., Annunziata A., Fiorentino G., Manfellotto F., D'Alessandro R., Marino R., Borra M., Biffali E. (2014). Telomerase expression in amyotrophic lateral sclerosis (ALS) patients. *Journal of human genetics*.

De Felice B., Mondola P., Sasso A., Orefice G., Bresciamorra V., Vacca G., Biffali E., Borra M., Pannone R. (2014). Small non-coding RNA signature in multiple sclerosis patients after treatment with interferon-beta. *BMC medical genomics* 7 (1), 26.

Guida M., Cannavacciuolo PL., Cesarano M., Borra M., Biffali E., D'Alessandro R., De Felice B. (2014). Microbial diversity of landslide soils assessed by RFLP and SSCP fingerprints. *Journal of applied genetics* 1-13 1.

Cecchini S., Paciolla M., Biffali E., Borra M., Ursini MV., Lioi MB. (2013). Ontogenetic profile of innate immune related genes and their tissue-specific expression in brown trout, *Salmo trutta* (Linnaeus, 1758). *Fish & shellfish immunology* 35 (3), 988- 992.

Vuttariello E., Borra M., Calise C., Mauriello E., Greggi S., Vecchione A., Biffali E., Chiappetta G. (2013). A New Rapid Methodological Strategy to Assess BRCA Mutational Status. *Molecular biotechnology*. 54 (3), 954-960.

Guida M., Marra M., Zullo F., Guida M., Trifuoggi M., Biffali E., Borra M., De Mieri G., D'Alessandro R., De Felice B. (2013). Association between exposure to dioxin-like polychlorinated biphenyls and miR-191 expression in human peripheral blood mononuclear cells. *Mutation Research/Genetic Toxicology and Environmental Mutagenesis*. 753 (1): 36-41.

- Lauritano C., Borra M., Carotenuto Y., Biffali E., Miralto A., Procaccini G., Ianora A. (2011). Molecular evidence of the toxic effects of diatom diets on gene expression patterns in copepods. *Plos one* 6 (10) e26850.
- Lauritano C., Borra M., Carotenuto Y., Biffali E., Miralto A., Procaccini G., A Ianora (2011). First molecular evidence of diatom effects in the copepod *Calanus helgolandicus*. *Journal of Experimental Marine Biology and Ecology*. 404 (1), 79-86.
- Sirakov M., Zarrella I., Borra M., Rizzo F., Biffali E., Arnone M.I., Fiorito G. (2009). Selection and validation of a set of reliable reference genes for quantitative RT-PCR studies in the brain of the Cephalopod Mollusc *Octopus vulgaris*. *BMC Mol Biol*. Jul 14;10:70.
- Bacchetti De Gregoris T., Borra M., Biffali E., Bekel T., Burgess J.G., Kirby R.R., Clare A.S. (2009). Construction of an adult barnacle (*Balanus amphitrite*) cDNA library and selection of reference genes for quantitative RT-PCR studies. *BMC Mol Biol*. Jun 24;10:62.
- Caputi L, Borra M, Andreakis N, Biffali E, Sordino P. (2008). SNPs and Hox gene mapping in *Ciona intestinalis*. *BMC Genomics*. Jan 25;9:39.
- Zingone A., Natale F., Biffali E., Borra M., Forlani G., Sarno D. (2006). Diversity in morphology, infectivity, molecular characteristics and induced host resistance between two viruses infecting *Micromonas pusilla*. *Aquatic Microbial Ecology*. vol. 45:1-14.

Other publications:

- Italiano A., Di Cioccio D., Borra M., Biffali E., Procaccini G., Zingone A. (2013). AFLP reveals intraspecific variations in geographically diverse *Ostreopsis cf. ovata* populations. ISSHA (International Society for the Study of Harmful Algae).
- Borra M., Mauriello E., Campili F., Biffali E. (2007). High throughput genomic DNA purification, PCR and fragments analysis reaction setup on microalgae using Macherey-Nagel Nucleospin 96 Plant Kit* and Beckman Coulter's Biomek® FX* Laboratory Automation Workstation equipped with ORCA® robotic arm. vol. Newsletter N°30, April.
- Borra M., Mauriello E., Pannone R., Biffali E. (2006). High throughput sequence reaction cleanup using Millipore Montage SEQ96 Sequencing Reaction Cleanup Kit* and Beckman Coulter's Biomek® FX Laboratory Automation Workstation equipped with ORCA® robotic arm. vol. Newsletter N°18, January 27th.