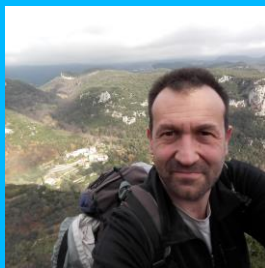


Europass Curriculum Vitae



Personal information

Surname(s) / First name(s) **Giovine Marco**
Address(es) DISTAV University of Genova, Corso Europa 26, 16132 Genova Italy
Telephone(s) +3901035338221 **Mobile:** +39 3386711438
E-mail mgiovine@unige.it
Nationality Italy
Date of birth 19/07/1968
Gender Male

Occupational field Research/teaching

Work experience

2005-
Occupation or position held Associated professor of molecular biology
Main activities and responsibilities Teaching; research; team coordination; departmental management board; P.I. of EU research projects, vice rector for student guidance (from 2014), rector management board.
Name and address of employer University of Genova; Via Balbi 5; 16100 Genova, Italy
Type of business or sector Research/teaching

2000-2005
Occupation or position held Technology researcher
Main activities and responsibilities Applied research; team coordination; P.I. of national research projects
Name and address of employer National Research Council, Piazzale Aldo Moro 6; Rome
Type of business or sector Research

1996-1999
Occupation or position held Post doc fellowships
Name and address of employer University of Genova Via Balbi 5; 16100 Genova, Italy
Type of business or sector Research

1995
Occupation or position held Soldier
Main activities and responsibilities Headquarter employee
Name and address of employer Italian army
Type of business or sector defense

Education and training

1992-1995

Title of qualification awarded

Principal subjects/occupational skills covered

Name and type of organisation providing education and training

Level in national or international classification

1992

Title of qualification awarded
Principal subjects/occupational skills covered

1987-1991

Title of qualification awarded
Principal subjects/occupational skills covered

Name and type of organisation providing education and training

Level in national or international classification

Personal skills and competences

Mother tongue

Other language

Self-assessment

European level (*)

English

Language

PhD
Biochemistry

University of Pavia (Italy)
PhD

license to practice the profession of Biologist
Biology

Degree (110/110 cum laude)
Biological sciences

University of Genova

MSc degree

Italian

English

| Understanding | | Speaking | | Writing | | | | | |
|---------------|----|----------|----|--------------------|----|-------------------|----|--|----|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| | B2 | | C1 | | B1 | | B2 | | C1 |

(*) Common European Framework of Reference for Languages

Social skills and competences

2005- today: Associated professor of Molecular biology
2021-President "Centro del Mare" of the University of Genova
2019- teaching Committee of PhD School on marine science and technology.
2013-2018: teaching Committee of PhD School on Science and technology for the environment and the territory
2014-2020: vice rector for student guidance
2004-2013: Teaching Committee of PhD on Biotechnology
2000-2005: Technology researcher- National Research Council
2001: teaching qualification for secondary school in the class 60A (Science)

Organisational skills and competences

Team leader: research laboratory responsible at Genova University
management board of the Department
Scientific responsible of the Marine Biotechnology laboratory at the Advanced Biotechnology Center (Genova),
Principal Investigator or Scientific coordinator of National and International research projects (e.g: Italian Ministry of research PRIN 2007; EU FP6 STREP BIO-LITHO; EU FP7 SPECIAL; Italian Ministry of Research PNRA; Italian Isreal Scientific track on marine biotechnology: SMARTEX; DAAD-Miur bilateral cooperation project)

Technical skills and competences

Protein and nucleic acid analysis;
drug discovery,
Biochemistry and molecular biology techniques

Computer skills and competences

Good use of most common softwares like OFFICE, Acrobat, Photoshop

Other skills and competences

Research activities in the filed of Biotechnology and Marine biotechnology, documented by more than 70 scientific publications and 6 patents; The research is mainly focused on : i) study of extracellular matrix proteins in marine invertebrates and their biotechnological applications; ii) bio-molecular studies of biomineralisation processes in marine organisms; iii) evolution of molecular responses to mineral dusts in animals; v) sponge cell culture approaches; v) innovative wastewater treatment approaches.

Publications indexes (scopus)

Number of publications: 73
 Total number of citations: 1585
 h-index: 25

Ten most relevant publications (last 10 years)

Marina Pozzolini, Eleonora Tassara, Andrea Doderò, Maila Castellano, Silvia Vicini, Sara Ferrando, Stefano Aicardi, Dario Cavallo, Marco Bertolino, Iaroslav Petrenko, Hermann Ehrlich, Marco Giovine Potential Biomedical Applications of Collagen Filaments derived from the Marine Demosponges *Ircinia oros* (Schmidt, 1864) and *Sarcotragus foetidus* (Schmidt, 1862). *Mar Drugs* 2021 Oct 6;19(10):563. doi: 10.3390/md19100563

Sonia Scarfi, Marina Pozzolini, Caterina Oliveri, Serena Mirata, Annalisa Salis, Gianluca Damonte, Daniela Fenoglio, Tiziana Altosole, Micha Ilan, Marco Bertolino, Marco Giovine. Identification, Purification and Molecular Characterization of Chondrosin, a New Protein with Anti-tumoral Activity from the Marine Sponge *Chondrosia reniformis* Nardo 1847. *Mar. Drugs* 2020, 18, 409; doi:10.3390/md18080409

Marina Pozzolini, Sonia Scarfi, Lorenzo Gallus, Maila Castellano, Silvia Vicini, Katia Cortese, Maria Cristina Gagliani, Marco Bertolino, Gabriele Costa and Marco Giovine Production, Characterization and Biocompatibility Evaluation of Collagen Membranes Derived from Marine Sponge *Chondrosia reniformis* Nardo, 1847 *Mar. Drugs* 2018, 16, 111

Marina Pozzolini, Sonia Scarfi, Lorenzo Gallus, Sara Ferrando, Carlo Cerrano, and Marco Giovine Silica-induced fibrosis: an ancient response from the early metazoan, *J.exp.biol.* 2017 Nov 1;220(Pt 21):4007-4015

Pozzolini, M., Scarfi, S., Mussino, F., Ghignone, S., Vezzulli, L., Cerrano, C., Giovine M. Molecular characterization and expression analysis of the first Porifera tumor necrosis factor superfamily member and of its putative receptor in the marine sponge *Chondrosia reniformis*. (2016) *Dev. Comp. Immunol.* 57: 88-98.

Pozzolini, M., Scarfi, S., Mussino, F., Salis, A., Damonte, G., Benatti, U. and Giovine, M. *Pichia pastoris* production of a prolyl4-hydroxylase derived from *Chondrosia reniformis* sponge: A new biotechnological tool for the recombinant production of marine collagen (2015) *J. biotechnol.* 208: 28-36

Pozzolini, M., Scarfi, S., Mussino, F., Ferrando, S., Gallus, L. and Giovine, M. Molecular cloning, characterization and expression analysis of a prolyl 4-hydroxylase from the marine sponge *Chondrosia reniformis*. (2015) *Marine biotech.* DOI 10.1007/s10126-015-9630-3.

Pozzolini, M., Mussino, F., Cerrano, C., Scarfi, S. and Giovine, M. Sponge cell cultivation: Optimization of the model *Petrosia ficiformis* (Poiret 1789) (2014) *J. Exp. Mar. Biol. Ecol.* 454: 70-77

Mussino, F., Pozzolini, M., Valisano, L., Cerrano, C., Benatti, U. and Giovine, M. Primmorphs cryopreservation: a new method for long time maintenance of sponge cells. (2013) *Marine biotech.* 15: 357-367

Pozzolini, M., Bruzzone, F., Berilli, V., Mussino, F., Cerrano, C., Benatti, U. and Giovine M. Molecular Characterization of a Nonfibrillar Collagen from the Marine Sponge *Chondrosia reniformis* Nardo 1847 and Positive Effects of Soluble Silicates on Its Expression (2012) *Marine Biotechnol* 14: 281-293

PhD tutoring

2011-2013 Valentina Berilli PhD on Biotechnology University of Genova. Project title: Study of biomineralization processes in marine invertebrates and realization of biomaterials for biomedicine and nanotechnology

2019-2022 Ana Filipa Cardoso Carnero. Co-tutorship. PhD Programme in Tissue Engineering, Regenerative Medicine and Stem Cells from University of Minho, Portugal. Project title: Sea star TIMPs as putative natural crosslinkers of collagen to scaffolds production

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Genova 30 gennaio 2022

Maria Giovine