

PERSONAL INFORMATION

Giovannelli, Donato, Born omissis, Italy, Nationality: Italian

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EDUCATION

2013 PhD in Applied Biology, University of Naples “Federico II”, Italy - Supervisor Prof. Moracci

2007 M.Sc. in Marine Ecology, Polytechnic University of Marche, Italy - Supervisor Dr. Bongiorno

2005 B.Sc. in Biology, Polytechnic University of Marche, Italy - Supervisor Prof. Regoli

CURRENT POSITIONS

Since Dec 2018 – Assistant Professor (RTDb), University of Naples Federico II, Italy

Since 2016 – Visiting Associate Research Professor, Rutgers University, USA

Since 2018 – Affiliated Scientist, Earth-Life Science Institute, Japan

Since 2019 – Affiliated Scientist, CNR-IRBIM, National Research Council of Italy, Italy

PROFESSIONAL RESULTS

- As of September 2021, I have authored or co-authored 48 international peer-reviewed publications that are currently published or in press in journals including Nature, Nature Geoscience, Nature Communication, Annual Review of Microbiology, eLife and ISMEJ. I co-authored 5 book chapters and I am co-editing a book (published by Springer Nature, expected in 2022) on the microbiology of the deep-sea. I edited a Special Issue cross-listed by Frontiers in Microbiology and Frontiers in Geochemistry (containing 17 articles, 85 authors) and a Special Issue in American Mineralogist (12 articles).

- Since 2011 I have obtained in excess of 8 million Eur in funding (including ~3 million Eur directly to myself) either as a PI or Co-PI from the European Research Council, the National Science Foundation (direct NSF funding, as well as Center for Dark Energy Biosphere Investigations), NASA, Italian Antarctic Research Program, the Templeton Foundation, International Continental Drilling Program, and the Alfred P. Sloan Foundation (through the Deep Carbon Observatory) among others. I have given 44 invited science talks to international institutions, summer schools or meetings/conferences, including 3 Gordon Research Conferences, and 2 AGU fall meetings. I have participated in or organized 34 international research expeditions including 13 oceanographic expeditions

PREVIOUS ACADEMIC APPOINTMENTS

2015 – 2018 Visiting Scholar – Institute of Advanced Studies, Princeton, USA

2016 – 2018 ELSI EON Research Scientist – Earth-Life Science Institute, Tokyo, Japan

2014 – 2016 C-DEBI Postdoctoral Fellow – Rutgers University, NJ, USA

2013 – 2014 Postdoctoral Research Fellow – Rutgers University, NJ, USA

2012 – 2013 Visiting InterRidge PhD student – Rutgers University, NJ, USA

2010 – 2011 Visiting PhD student – Rutgers University, NJ, USA

FELLOWSHIPS AND AWARDS (only major awards listed)

2020 ERC Starting Grant Awardee

2018 Deep Carbon Observatory Deep Life Modeling and Visualization Fellowship

2017 Orbit Science Documentary Festival first prize, Goldschmidt, Paris, France

2015 Deep Carbon Observatory Emerging Leader Award

2016 ELSI Origin of Life Network fellowship

2014 C-DEBI postdoctoral fellowship

SUPERVISION OF STUDENTS AND POSTDOCTORAL FELLOWS

As PI (2016 – 2021): Current advisor or co-advisor of 18 Undergraduates, 19 Masters students and 3 PhD

student, 2 postdoc at the University of Naples “Federico II”. Co-advising several postdoc and PhD students in collaboration with international Universities. Member of Doctoral and Master committees at Rutgers University (USA), Middle Eastern Technical University (Turkey) and University of Naples “Federico II” (Italy).

TEACHING ACTIVITIES

2019 – present. Lecturer in Metagenomic (6 CFU), Marine Microbial Diversity (6 CFU) and Microbiology of Extreme Environments (8 CFU) in the graduate program in Marine Biology and Biology of Extreme Environments at the University of Naples “Federico II” (Italy)

2019 – 2021. Lecturer in Applied Microbiology in the graduate program in Biological Sciences at the University of Naples “Federico II” (Italy)

2016 Lecturer (Visiting Professor) in Marine Microbial Diversity in the graduate program in Marine Biology, University of Naples “Federico II” (Italy)

2012 – 2018 Guest Lecturer at the Graduate and Undergraduate level in Bioinformatics, Microbial Ecology, Ecology, and Microbiology at the University of Rome “La Sapienza” (Italy), Rutgers University (USA) and the Polytechnic University of Marche (Italy)

ORGANIZATION OF SCIENTIFIC MEETINGS (only major meetings reported)

2021 Theme 8 Geosphere and Biosphere Coevolution co-chair, Goldschmidt 2021, Lyon, France

2021 Local Organizing Committee European node, ELSI International Symposium

2020 Organizing Committee, Italian Virtual Congress on Marine Evolution, Italy

2020 International Advisory Board, Extremophiles 2020, Greece

2019 Organizer, DCO Deep Life Workshop, 25 participants, Rutgers University, USA

2018 International Advisory Board, Extremophiles 2018, 300 participants, Ischia, Naples, Italy

2018 Co-organizer, 4-D Workshop, 200 participants, Washington DC, USA

2018 Co-Organizer, DCO Earth in Five Reaction, 50 participants, Washington DC, USA

2018 Organizing Committee, 5th ELSI International Symposium, 250 participants, Tokyo, Japan

2017 Session Co-Chair, 27th Goldschmidt Conference, 12 speakers, Paris, France

2015 Chair Organizing Committee, 2nd DCO ECS Workshop, 47 participants, Azores, Portugal

SERVICES AND PROFESSIONAL ACTIVITIES

Invited reviewer for PNAS, Nature Geoscience, ISME Journal, FEMS Microbiology Ecology, Biology, Environmental Microbiology, Marine Genomics, Polar Biology, Environmental Chemistry, PLoS ONE, Journal of Volcanology, Geosciences and ad hoc reviewer for the National Science Foundation (USA), NERC (UK), NASA (USA), Novo Nordisk Foundation (Denmark), and the Alfred P. Sloan Foundation (USA). Served on multiple review panels for NASA (USA). Guest Editor for American Mineralogist, Guest Editor for Frontiers in Geochemistry and Review Editor for Frontiers in Microbiology. Member of the topic working groups of the Italian Space Agency on the Microbiology of Space Exploration and Astrobiology.

MAJOR COLLABORATIONS

P Barry (WHOI, USA); P Falkowski (Rutgers University, USA); R Hazen (Carnegie Institution for Science, USA); K Lloyd (University of Tennessee at Knoxville, USA); E Manini (CNR-IRBIM, Italy); M de Moor (OVSICORI, Costa Rica); S Morrison (Carnegie Institution for Science, USA); M Schrenk (University of Michigan, USA); C Vetraini (Rutgers University, USA); M Yücel (METU, Turkey)

ADDITIONAL ACCOMPLISHMENTS

I am the co-founder (since 2011), shareholder and science advisor of a startup currently in Round B of fundraising (total funds raised so far 6 million Euro) involved in the design, fabrication and commercialization of high-performance composite materials (www.nanotechspa.com). I am a regular speaker on themes related to entrepreneurship, innovation and sustainability at leading Business Schools, International Masters and Workshops, and was invited to speak at the 2017 G7 round-table about entrepreneurship and environmental sustainability in Bologna, Italy