

Bruna Giordano
Ph.D. student, LABEM, Department of Life and Environmental Sciences
University of Cagliari
Via Tommaso Fiorelli 1, 09126 Cagliari, Italy
brunagiordano9@gmail.com

CURRENT POSITION

2021 Ph.D student in the Department Life and Environmental Sciences, University of Cagliari

BIO SKETCH

Born and raised in Rome, Bruna received both her BSc' than her master's degree from the Sapienza University, in Rome.

During her BSc' in Biological Sciences, she joined the Erasmus Studentprogram c/o Université Pierre et Marie Curie (Paris, France), and after graduating, she participated in an internship in ESRG, an NGO based in the Falkland Islands. During this period, she deepened her knowledge of marine sciences and behavioral data logging, particularly studying two charismatic marine species: *Mirounga leonina* and *Orcinus orca*.

In the framework of her master's degree in Marine Ecology and Conservation, she obtained a scholarship to carry out her thesis project abroad c/o Laboratoire d'Ecogèchimie des Environnements Benthiques (LECOB, Banyuls sur mer-France), where she strengthened her interest and expertise in corals' biology and reproduction. After the graduation, founded by Erasmus traineeship scholarship, she continued her studies in LECOB to point out some aspects of her previous studies on *Corallium rubrum* biomineralization.

Nowadays, Bruna is a Ph.D. student in LABEM, involved in a joint project with LECOB. Her research currently focuses on the investigation of the fertilization processes affecting the Mediterranean red coral, aiming to develop an innovative restoration protocol based on sexual reproduction.

EDUCATION

2020 Master's Degree (MSc) in Marine Ecology and Conservation

Sapienza University of Rome

Thesis title: " Early stage of formation of *Corallium rubrum* colonies: ecological and physical-chemical analysis of newly settled individuals"

Final grade: 110/110 summa cum laude

2016 Bachelor's Degree (BSc) in Biological Sciences

Sapienza University of Rome

Thesis title: "Non-invasive methods to estimate the pinniped's body mass"

Final grade: 110/110 summa cum laude

TRAINING AND WORK EXPERIENCE

2020 Post-graduate internship "Erasmus+ Traineeship" c/o Observatoire Océanologique de Banyuls sur Mer, France

2019 Curricular internship for MSc thesis c/o Observatoire Océanologique de Banyuls sur Mer, France

2018-2019 Employee in Herbarium museum, Sapienza University

2017 Extra- Curricular Internship hosted by “Elephant seal research group”, Falkland Islands
2017 Educational Guide in the botanical garden of Rome, Sapienza University
2013 Visitor student “Erasmus studio” c/o Université Pierre et Marie Curie (Paris, France)

PEER REVIEWED ARTICLES

Vielzeuf, D., **Giordano, B.**, Devidal, J. L., Ricolleau, A., Perrin, J., Balme-Heuze, C., & Floquet, N. (2021). Identification of Precious Corals (*Corallium rubrum* vs *C. japonicum*) Using LA-ICP-MS Analysis. *The Journal of Gemmology*, 37(6), 596-607.

Giordano, B., & Bramanti, L. (2021). First report of chimerism in Mediterranean red coral (*Corallium rubrum*). *Mediterranean Marine Science*.

Carugati, L., Bramanti, L., **Giordano, B.**, Pittura, L., Cannas, R., Follesa, M. C., ... & Cau, A. (2021). Colonization of plastic debris by the long-lived precious red coral *Corallium rubrum*: New insights on the “plastic benefits” paradox. *Marine Pollution Bulletin*, 165, 112104.

OTHER SCIENTIFIC ACTIVITIES

JULY 2021 Giordano B., Bramanti L., Perrin J., Kahramanoğulları O., Vielzeuf D.
Early stage of development of Mediterranean red coral (*Corallium rubrum*) skeleton: the key role of sclerites during the first years of life
ICRS 2021- XIV International coral reef symposium

NOVEMBER 2020 Giordano B., Bramanti L., Perrin J., Kahramanoğulları O., Vielzeuf D.
Early stage of development of Mediterranean red coral (*Corallium rubrum*) skeleton: the key role of sclerites during the first years of life
Marine Evolution 1st Italian Congress