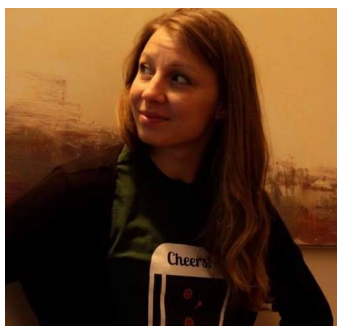


## Laura Vitale



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### Current Position:

Supervisor: Valerio Funari

Appointed on project: MATCHER

### Affiliation:

Department of Ecosustainable Marine Biotechnologies, Stazione Zoologica Anton Dohrn, Napoli (Italy)

### Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Seconda Università degli Studi di Napoli, Caserta, Italy	Master	2009-2011	Biological sciences
Open University/Stazione Zoologica Anton Dohrn, Napoli, Italy	Ph.D.	2013-2015	Life and Biomolecular Sciences
Università degli Studi di Napoli Federico II, Napoli, Italy	Specialization course	2016-2017	BioPoliS: Biorefinery, a way through the development of green technologies for biochemicals production with industrial application and synthesis of new green polymers starting from agricultural biomass.
Algenuity Ltd, Stewartby, United Kingdom	Research Assistant	2019-2020	Development of strains and fermentation processes for the production of microalgal biomass and high valuable compounds

			in heterotrophic conditions.
Zoologica Anton Dohrn, Napoli, Italy	Post Doctoral Researcher	2020-2021	Effect of light, temperature and CO <sub>2</sub> on prostaglandins synthesis in <i>Skeletonema marinoi</i>

### **Other matters relevant to scientific career**

Certification of Project Management (ISIPM-Base).  
Member of Pint of Science (science communication association).

### **Publications**

Author of 6 publications on ISI-journals, 1 non-ISI and 1 book chapter

#### ***List of publications of the last 10 years***

##### ***Journal Papers***

Dell'Anno, F.; Vitale, G.A.; Buonocore, C.; **Vitale, L.**; Palma Esposito, F.; Coppola, D.; Della Sala, G.; Tedesco, P.; de Pascale, D. Novel Insights on Pyoverdine: From Biosynthesis to Biotechnological Application. *Int. J. Mol. Sci.* **2022**, *23*, 11507.  
<https://doi.org/10.3390/ijms231911507>

Russo M. T.<sup>+</sup>, **Vitale L.**<sup>+</sup>, Entrambasaguas L., Anestis K., Fattorini N., Romano F., Minucci C., De Luca P., Biffali E., Vyverman W., Sanges R., Marina Montresor M. & Ferrante M.I. (2018). MRP3 is a sex determining gene in the diatom *Pseudo-nitzschia multistriata*. *Nature Communications* 9:5050. November 2018. DOI: 10.1038/s41467-018-07496-0. (+ These authors have equally contributed to this work)

Ruggiero M.V., D'Alelio D., Ferrante M.I., Santoro M., **Vitale L.**, Procaccini G., Montresor M. (2018). Clonal expansion behind a marine diatom bloom. *The ISME Journal* vol 12, 463– 472. February 2018. DOI: 10.1038/ismej.2017.181.

Basu S., Patil S., Mapleson D., Russo M.T., **Vitale L.**, Fevola C., Maumus F., Casotti R., Mock T., Caccamo M., Montresor M., Sanges R., Ferrante M.I. (2017). Finding a partner in the ocean: molecular and evolutionary bases of the response to sexual cues in a planktonic diatom. *New Phytologist* 2017. DOI: 10.1111/nph.14557 (open access).

**Vitale L.**, Patil S., Basu S., Sanges R., Ferrante M.I., Montresor M. (2015). Mating type related genes in *Pseudo-nitzschia Multistriata*. *European Journal of Phycology*, Vol. 50, pp. 117- 118. January 2015 <https://doi.org/10.1080/09670262.2015.1069489>.

Ciniglia, C., Yang, E. C., Pollio, A., Pinto, G., Iovinella, M., **Vitale, L.**, Yoon, H. S. (2014). Cyanidiophyceae in Iceland: the plastid rbcL gene elucidates the origin and dispersal of extremophilic *Galdieria sulphuraria* and *G. maxima* (Rhodophyta). *Phycologia*: 2014, Vol. 53, No. 6, pp. 542-551 <https://doi.org/10.2216/14-032.1>.

***No ISI journals***

Montresor M., **Vitale L.**, D' Alelio D., Ferrante M.I. (2016). Sex in marine planktonic diatoms: insights and challenges. *Perspectives in Phycology*. January 2016. DOI:10.1127/pip/2016/0045.

***Book Chapter***

Project work Patch-Spore, Barbato P.S., Barra L., De Fenzo A., Fasano C., Iannucci P., Pascale A., Sola M.E., **Vitale L.** ISBN 978-88-255-xxxx-x DOI 10.4399/97888255xxxxx5 pag. 75–92. 2017. BIOPOLIS idee progettuali per la bioeconomia ed il territorio.