

Ugo Marzocchi



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Current Position: Post Doc.

Supervisor: Ulisse Cardini

Appointed on project: Imbalance

Affiliation:

Section Dipartimento di Ecologia Marina Integrata (IME), Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Faculty of Natural Sciences, University of Parma, Italy	Master (Laurea)	2006-2009	Biological sciences
Department of Bioscience, Aarhus University, Denmark	Ph.D.	2009-2013	Microbiology, Biogeochemistry
Nordic Center for Earth Evolution (NordCEE), University of Southern Denmark, Odense, Denmark	Postdoc	2013-2016	Benthic nitrogen cycling
Marie Sklodowska-Curie fellow at Department of Analytical, Environmental and Geo-Chemistry at Vrije Universiteit Brussel, Belgium	Postdoc	2016-2018	Electromicrobiology

Appointments and awards

2018 Recipient of the “Grant for Radical Ideas” by the Danish Hydrocarbon Research and Technology Centre.

2016 Recipient of Horizon 2020 funded Marie Skłodowska-Curie action, Individual Fellowship

2006 Recipient of scholarship for a five-month stay at Gothenburg University by ADSU Emilia Romagna, Italy.

Publications

List of publications of the last 10 years:

Journal Papers

Pinardi M, Bartoli M, Longhi D, Marzocchi U, Laini A, Ribaldo C, and Viaroli P. Benthic metabolism and denitrification in a river reach: a comparison between vegetated and bare sediments (2009). *Journal of Limnology*. 68(1): 133-145.

Marzocchi U and Revsbech NP. Electrophoretic sensitivity control applied on microscale NO_x-biosensors with different membrane permeabilities (2014). *Sensors and Actuators B: Chemical* 202: 307-313.

Marzocchi U, Trojan D, Larsen S, Meyer RL, Revsbech NP, Schramm A, Nielsen LP, and Risgaard-Petersen N. Electric coupling between distant nitrate reduction and sulfide oxidation in marine sediment (2014). *ISME J* 8: 1682-1690.

Marzocchi U, Thamdrup B, Stief P and Glud R. Effect of settled diatom-aggregates on benthic nitrogen cycling (2018). *Limnology and Oceanography* 63: 431-444.

Marzocchi U, Bonaglia S, Van de Velde S, Meysman F, Risgaard-Petersen N, and Hall P. Temporal niches for cable bacteria induced by Major Baltic Inflows in the East Gotland Basin (SWE) (2018). *Environmental Microbiology* 20(8), 3031–3041

Kessler AJ, Wawryk M, Marzocchi U, Roberts KL, Wen Wong W, Risgaard-Petersen N, Meysman FJR, Glud RN, Cook PLM. Cable bacteria promote DNRA through iron sulphide dissolution (2018). *Limnology & Oceanography* 64: 1228-1238.

Bonaglia S, Rämö R, Marzocchi U, Leermakers M, Nascimento F, Gunnarsson J. Effect of sediment capping with activated carbons on benthic metabolism and infauna survival (2019). *Water Research* 148: 515-525.

Marzocchi U, Benelli S, Larsen M, Bartoli M, and Glud R. Spatial heterogeneity and short-term oxygen dynamics in the rhizosphere of *Vallisneria spiralis*: implications for nutrient cycling (2019). *Freshwater Biology* 64: 532-543.