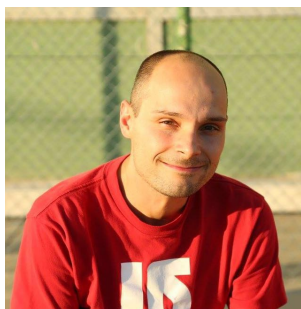


Roberto Arrigoni



Born in Carate Brianza (Italy) on 09/08/1984

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Current Position: ricercatore III° livello

Current Affiliation:

Departmente of Biology and Evolution of Marine Organisms (BEOM), Stazione Zoologica Anton Dohrn, Napoli (Italy)

Education/Training/Experience

Institute and Location	Degree / Function	Year	Field of Study
Department of Biology, Università di Milano-Bicocca, Milano, Italy	Bachelor	2003-2007	Biological Sciences
Department of Biology, Università di Milano-Bicocca, Milano, Italy	Master	2007-2010	Biology
Department of Biology, Università di Milano-Bicocca, Milano, Italy	Ph.D.	2012-2015	Taxonomy and phylogeny of corals
King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia	Postdoc	2015-2018	Taxonomy, phylogeny, and biogeography of corals
Joint Research Center (JRC), European Commission, Ispra, Italy	PostDoc	2019	Climate change, fish and coral ecology and evolution
Stazione Zoologica Anton Dohrn, Napoli, Italy	ricercatore III° livello	2020-present	Integrated taxonomy, species delimitation, phylogeny, and biogeography of corals

Appointments and awards

2018: Winner of the international price “Mario Benazzi and Giuseppina Benazzi Lentati” in Evolutionary Biology, Accademia dei Lincei, Roma, Italy

2013: Winner of the European grant “SYNTHESIS EU”, European Union

Publications

Author of 36 publications on ISI-journals (h index: 16) and 1 book chapter

List of publications of the last 10 years:

Peer-reviewed publications:

- TERRANELO TI, BENZONI F, BAIRD AH, **ARRIGONI R**, BERUMEN ML 2019. Morphology and molecules reveal two new species of *Porites* (Scleractinia, Poritidae) from the Red Sea and the Gulf of Aden. *Systematics and Biodiversity* 17, 491-508
- TERRANELO TI, FUSI M, HUME BCC, **ARRIGONI R**, VOOLSTRA CR, BENZONI F, FORSMAN ZH, BERUMEN ML 2019. Environmental latitudinal gradients and host-specificity shape Symbiodiniaceae distribution in Red Sea *Porites* corals. *Journal of Biogeography* 46, 2323-2335
- SEVESO D, **ARRIGONI R**, MONTANO S, MAGGIONI D, ORLANDI I, BERUMEN ML, GALLI G, VAI M 2019. Investigating the heat shock protein response involved in coral bleaching across scleractinian species in the central Red Sea. *Coral Reefs* 1-14.
- ARRIGONI R**, MAGGIONI D, MONTANO S, HOEKSEMA BW, SEVESO D, SHLESINGER T, TERRANELO TI, TIETBOHL MD, BERUMEN ML. 2018. An integrated morpho-molecular approach to delineate species boundaries of *Millepora* from the Red Sea. *Coral Reefs* 37, 967-984
- ARRIGONI R**, BERUMEN ML, STOLARSKI J, TERRANELO TI, BENZONI F. 2018. Uncovering hidden coral diversity: a new cryptic lobophylliid scleractinian coral genus from the Indian Ocean. *Cladistics* 35, 301-328
- MAGGIONI D, **ARRIGONI R**, BERUMEN ML, GALLI P, SEVESO D, MONTANO S. 2018. Polyphyly of the genus *Zanclaea* and family Zanclaeidae (Hydrozoa, Capitata) revealed by the integrative analysis of two bryozoan-associated species. *Contributions to Zoology* 87, 87-104
- BENZONI F, **ARRIGONI R**, BERUMEN ML, TAVIANI M, BONAGERTS P, FRADE PR. 2018. Morphological and genetic divergence between Mediterranean and Caribbean populations of *Madracis pharensis* (Heller 1868) (Scleractinia, Pocilloporidae): too much for one species? *Zootaxa* 4471, 473-492
- TERRANELO TI, **ARRIGONI R**, BENZONI F, FORSMAN ZH, BERUMEN ML. 2018. Using ezRAD to reconstruct the complete mitochondrial genome of *Porites fontanesii* (Cnidaria: Scleractinia). *Mitochondrial DNA Part B* 3, 173-174
- TERRANELO TI, **ARRIGONI R**, BENZONI F, FORSMAN ZH, BERUMEN ML. 2018. The complete mitochondrial genome of *Porites harrisoni* (Cnidaria: Scleractinia) obtained using next-generation sequencing. *Mitochondrial DNA Part B* 3, 286-287
- ARRIGONI R**, BERUMEN ML, HUANG D, TERRANELO TI, BENZONI F. 2017. *Cyphastrea* (Cnidaria: Scleractinia: Merulinidae) in the Red Sea: phylogeny and a new reef coral species. *Invertebrate Systematics* 31, 141-156
- ARRIGONI R**, VACHERIE B, BENZONI F, STEFANI F, KARSENTI E, JAILLON O, NOT F, NUNES F, PAYRI C, WINCKER P, BARBE V. 2017. A new sequence data set of SSU rRNA gene for Scleractinia and its phylogenetic and ecological applications. *Molecular Ecology Resources*, 1-18
- TERRANELO TI, **ARRIGONI R**, BENZONI F, TIETBOHL MD, BERUMEN ML. 2017. Exploring the

- genetic diversity of shallow-water Agariciidae (Cnidaria: Anthozoa) from the Saudi Arabian Red Sea. *Marine Biodiversity*, 1-14
- MONTANO S, FATTORINI S, PARRAVICINI V, BERUMEN ML, GALLI P, MAGGIONI D, **ARRIGONI R**, SEVESO D, STRONA G. 2017. Corals hosting symbiotic hydrozoans are less susceptible to predation and disease. *Proceedings of the Royal Society B* 284, 20172405
- MAGGIONI D, MONTANO S, **ARRIGONI R**, GALLI P, PUCE S, PICA D, BERUMEN ML. 2017. Genetic diversity of the *Acropora*-associated hydrozoans: new insight from the Red Sea. *Marine Biodiversity*, 1-11
- MAGGIONI D, GALLI P, BERUMEN ML, **ARRIGONI R**, SEVESO D, MONTANO M. 2017. *Astrocoryne cabela*, gen. nov. et sp. nov. (Hydrozoa: Sphaerocorynidae), a new sponge-associated hydrozoan. *Invertebrate Systematics* 31, 734-746
- ARRIGONI R**, BENZONI F, TERRANELO TI, CARAGNANO A, BERUMEN ML. 2016. Recent origin and semi-permeable species boundaries in the scleractinian coral genus *Stylophora* from the Red Sea. *Scientific Reports* 6, 34612
- ARRIGONI R**, BERUMEN ML, CHEN CA, TERRANELO TI, BAIRD AH, PAYRI C, BENZONI F. 2016. Species delimitation in the reef coral genera *Echinophyllia* and *Oxypora* (Scleractinia, Lobophylliidae) with a description of two new species. *Molecular Phylogenetics and Evolution* 105, 146-159
- ARRIGONI R**, BENZONI F, HUANG D, FUKAMI H, CHEN CA, BERUMEN ML, HOOGENBOOM M, THOMSON DP, HOEKSEMA BW, BUDD AF, ZAYASU Y, TERRANELO TI, KIATNO YF, BAIRD AH. 2016. When forms meet genes: revision of the scleractinian genera *Micromussa* and *Homophyllia* (Lobophylliidae) with a description of two new species and one new genus. *Contributions to Zoology* 85, 387-422
- ARRIGONI R**, VACHERIE B, BENZONI F, BARBE V. 2016 The complete mitochondrial genome of *Acanthastrea maxima* (Cnidaria, Lobophylliidae). *Mitochondrial DNA Part B* 27, 927-928
- HUANG D, **ARRIGONI R**, BENZONI F, FUKAMI H, KNOWLTON N, SMITH ND, STOLARSKI J, CHOU LM, BUDD AF. 2016. Taxonomic classification of the reef coral family Lobophylliidae (Cnidaria: Anthozoa: Scleractinia). *Zoological Journal of the Linnean Society* 178, 634-481
- TERRANELO TI, BENZONI F, **ARRIGONI R**, BERUMEN ML. 2016. Species delimitation in the coral genus *Goniopora* (Scleractinia, Poritidae) from the Saudi Arabian Red Sea. *Molecular Phylogenetics and Evolution* 102, 278-294
- ARRIGONI R**, BERUMEN ML, TERRANELO TI, CARAGNANO A, BOUWMEESTER J, BENZONI F. 2015. Forgotten in the taxonomic literature: resurrection of the scleractinian coral genus *Sclerophyllia* (Scleractinia, Lobophylliidae) from the Arabian Peninsula and its phylogenetic relationships. *Systematics and Biodiversity* 13, 140-163
- MONTANO S, **ARRIGONI R**, PICA D, MAGGIONI D, PUCE S. 2015. New insights into the symbiosis between *Zanclaea* (Cnidaria, Hydrozoa) and scleractinians. *Zoologica Scripta* 44, 92-105
- MONTANO S, MAGGIONI D, **ARRIGONI R**, SEVESO D, PUCE S, GALLI P. 2015. The hidden diversity of *Zanclaea* associated with scleractinians revealed by molecular data. *PLoS ONE* 10, e0133084
- ARRIGONI R**, RICHARDS ZT, CHEN AC, BAIRD AH, BENZONI F. 2014. Taxonomy and phylogenetic relationships of the coral genera *Australomussa* and *Parascolymia* (Scleractinia, Lobophylliidae). *Contributions to zoology* 83, 195-215
- ARRIGONI R**, KITANO YF, STOLARSKI J, HOEKSEMA BW, FUKAMI H, STEFANI F, GALLI P, MONTANO S, CASTOLDI E, BENZONI F. 2014. A phylogeny reconstruction of the Dendrophylliidae (Cnidaria, Scleractinia) based on molecular and micromorphological criteria and its ecological implications. *Zoologica Scripta* 43, 661-688
- ARRIGONI R**, TERRANELO TI, GALLI P, BENZONI F. 2014. Lobophylliidae (Cnidaria, Scleractinia)

reshuffled: pervasive non-monophyly at genus level. *Molecular Phylogenetics and Evolution* 73, 60-64

- BENZONI F, **ARRIGONI R**, WAHEED Z, STEFANI F, HOEKSEMA BW. 2014. Phylogenetic relationships and revision of the genus *Blastomussa* (Cnidaria, Anthozoa, Scleractinia) with description of a new species. *The raffles Bulletin of Zoology* 62, 358-378
- KITANO Y, BENZONI F, **ARRIGONI R**, SHIRAYAMA Y, WALLACE CC, FUKAMI H. 2014. A phylogeny of the family Poritidae (Cnidaria, Scleractinia) based on molecular and morphological analyses. *PLoS ONE* 9, e98406
- HUANG D, BENZONI F, **ARRIGONI R**, BAIRD AH, BERUMEN ML, BOUWMEESTER J, CHOU LM, FUKAMI H, LICUANAN WY, LOVELL ER, MEIER R, TOOD PA, BUDD AF. 2014. Towards a phylogenetic classification of reef corals: the Indo-Pacific genera *Merulina*, *Goniastrea* and *Scapophyllia* (Scleractinia, Merulinidae). *Zoologica Scripta* 43, 531-548
- TERRANEO TI, BERUMEN ML, **ARRIGONI R**, WAHEED Z, BOUWMEESTER J, CARAGNANO A, STEFANI F, BENZONI F. 2014. *Pachyseris inattesa* sp. n. (Cnidaria, Anthozoa, Scleractinia): a new reef coral species from the Red Sea and its phylogenetic relationships. *Zookeys* 433, 1-30
- ARRIGONI R**, STEFANI F, PICHON M, GALLI P, BENZONI F. 2012. Molecular phylogeny of the Robust clade (Faviidae, Mussidae, Merulinidae, and Pectiniidae): An Indian Ocean perspective. *Molecular Phylogenetics and Evolution* 65, 183-193
- BENZONI F, **ARRIGONI R**, STEFANI F, STOLARSKI J. 2012. Systematics of the coral genus *Craterastrea* (Cnidaria, Anthozoa, Scleractinia) and description of a new family through combined morphological and molecular analyses. *Systematics and Biodiversity* 10, 417-433
- BENZONI F, **ARRIGONI R**, STEFANI F, REIJNEN BT, MONTANO S, HOEKSEMA BW. 2012. Phylogenetic position and taxonomy of *Cycloseris explanulata* and *C. wellsi* (Scleractinia: Fungiidae): lost mushroom corals find their way home. *Contributions to Zoology* 81, 125-146
- MONTANO S, SEVESO D, STRONA G, **ARRIGONI R**, GALLI P. 2012. *Acropora muricata* mortality associated with extensive growth of *Caulerpa racemosa* in Magoodhoo Island, Republic of Maldives. *Coral reefs* 31, 793-793
- BENZONI F, **ARRIGONI R**, STEFANI F, PICHON M. 2011. Phylogeny of the coral genus *Plesiastrea* (Cnidaria, Scleractinia). *Contributions to Zoology* 80, 231-249

Book chapter:

- BERUMEN ML, **ARRIGONI R**, BOUWMEESTER J, TERRANEO TI, BENZONI F. (in press). Corals of the Red Sea. Chapter 7. In: Coral reefs of the Red Sea, (eds) Voolstra C. Berumen ML. Springer, the Netherlands.