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### The biocalcification of mollusk shells and coral skeletons: Integrating molecular, proteomics and bioinformatics methods

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# Publications

1. Ramos-Silva P, Benhamada S, Le Roy N, Marie B, Guichard N, Zanella-Cléon I, Plasseraud L, Corneillat M, Alcaraz G, Kaandorp J & Marin F (2012). *Novel molluscan biomineralization proteins retrieved from proteomics: a case study with *Ursalin**. ChemBioChem: a European Journal of Chemical Biology, 13(7):1067–1078. doi:10.1002/cbic.201100708
2. Marie B, Jackson DJ, Ramos-Silva P, Zanella-Cléon I, Guichard N & Marin F (2013). *The shell-forming proteome of *Lottia gigantea* reveals both deep conservations and lineage specific novelties*. The FEBS Journal, 280(1):214-232. doi:10.1111/febs.12062
3. Marin F, Marie B, Benhamada S, Ramos-Silva P, Le Roy N, Guichard N, Wolf S, Montagnani C, Joubert C, Piquemal D, Saulnier D & Gueguen Y. ‘Shellome’: *proteins involved in mollusc shell biomineralization—diversity, functions*. Recent Advances in Pearl Research, Eds., S. Watabe, K. Maeyama and H. Nagasawa, pp. 149–168. © by TERRAPUB, 2013. ISBN No.: 978-4-88704-158-5
4. Ramos-Silva P, Marin F, Kaandorp J & Marie B (2013). *Biomineralization toolkit: the importance of sample cleaning prior to the characterization of biomineral proteomes*. Proceedings of the National Academy of Sciences, 110:E2144-E2146. doi:10.1073/pnas.1303657110
5. Ramos-Silva P, Kaandorp J, Huisman L, Marie B, Zanella-Cléon I, Guichard N & Marin F (2013). *The skeletal proteome of the coral *Acropora millepora*: the evolution of calcification by cooption and domain shuffling*. Molecular Biology and Evolution, 30(9):2099–2112. doi:10.1093/molbev/mst109
6. Marie B, Ramos-Silva P, Marin F & Marie A (2013). *Proteomics of biomineral-associated proteins: how to properly address their analysis*. Proteomics, 13(21):3109-3116. doi: 10.1002/pmic.201300162