

## Publications

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**Récapitulatif : 20 articles (dont 9 en tant que premier auteur).**

1. Karsenti E, Acinas SG, Bork P, Bowler C, de Vargas C, Raes J, Sullivan MB, Arendt D, Benzoni F, Claverie J-M, Follows M, Gorsky G, Hingamp P, Iudicone D, Jaillon O, Kandels-Lewis S, Krzic U, Not F, Ogata H, Pesant S, Reynaud EG, Sardet C, Sieracki ME, Speich S, Velayoudon D, Weissenbach J, Wincker P, and the Tara Oceans Consortium (Abergel C, Arslan D, Audic S, Aury JM, Babic N, Beaufort L, Bittner L, Boss E, Boutte C, Brum J, Carmichael M, Casotti R, Chambouvet A, Chang P, Chica C, Clerissi C, Colin S, Cornejo-Castillo FM, Da Silva C, De Monte S, Decelle J, Desdevises Y, Dimier C, Dolan J, Duhaime M, Durrieu de Madron X, d'Ortenzio F, d'Ovidio F, Ferrera I, Garczarek L, Garet-Delmas MJ, Gasmi S, Gasol JM, Grimsley N, Heilig R, Ignacio-Espinoza J, Jamet JL, Karp-Boss L, Katinka M, Khalili H, Kolber Z, Le Bescot N, Le Goff H, Lima-Mendez G, Mahé F, Mazzocchi MG, Montresor M, Morin P, Noel B, Pedrós-Alió C, Pelletier E, Perez Y, Picheral M, Piganeau G, Poirot O, Poulain J, Poulton N, Prejger F, Prihoda J, Probert I, Rampal J, Reverdin G, Romac S, Romagnan JB, Roullier F, Rouviere C, Samson G, Santini S, Sarmiento H, Sciandra A, Solonenko S, Stemmann L, Subirana L, Sunagawa S, Tanaka A, Testor P, Thompson A, Tichanné-Seltzer V, Tirichine L, Toulza E, Tozzi S, Veluchamy A, Zingone A). 2011. A holistic approach to marine eco-systems biology. *PLoS Biology*, 9 (10):e1001177. doi:10.1371/journal.pbio.1001177.
2. Clerissi C, Desdevises Y, Grimsley N. 2012. Prasinoviruses of the marine green alga *Ostreococcus tauri* are mainly species-specific. *Journal of Virology*, 86 (8): 4611. doi:10.1128/JVI.07221-11.
3. Clerissi C, Grimsley N, Desdevises Y. 2013. Genetic exchanges of inteins between prasinoviruses. *Evolution*, 67 (1): 18-33. doi:10.1111/j.1558-5646.2012.01738.x.
4. Hingamp P, Grimsley N, Acinas SG, Clerissi C, Subirana L, Poulain J, Ferrera I, Sarmiento H, Villar E, Lima-Mendez G, Faust K, Sunagawa S, Claverie J-M, Moreau H, Desdevises Y, Bork P, Raes J, de Vargas C, Karsenti E, Kandels-Lewis S, Jaillon O, Not F, Pesant S, Wincker P, Ogata H. 2013. Exploring nucleo-cytoplasmic large DNA viruses in *Tara Oceans* microbial metagenomes. *The ISME Journal*, doi:10.1038/ismej.2013.59.

5. Clerissi C, Grimsley N, Ogata H, Hingamp P, Poulain J, Desdevises Y. 2014. Unveiling of the diversity of prasinoviruses (*Phycodnaviridae*) in marine samples by using high-throughput sequencing analyses of PCR-amplified DNA polymerase and Major Capsid Protein genes. *Applied and Environmental Microbiology*, 80(10): 3150-3160. doi:10.1128/Aem.00123-14.
6. Bellec L, Clerissi C, Edern R, Foulon E, Simon N, Grimsley N, Desdevises Y. 2014. Cophylogenetic interactions between marine viruses and eukaryotic picophytoplankton. *BMC Evolutionary Biology*, 14: 59. doi:10.1186/1471-2148-14-59.
7. Clerissi C, Grimsley N, Subirana L, Maria E, Oriol L, Ogata H, Moreau H, Desdevises Y. 2014. *Prasinovirus* distribution in the Northwest Mediterranean Sea is affected by the environment and particularly by phosphate availability. *Virology*, doi:10.1016/j.virol.2014.07.016.
8. Remigi P, Capela D, Clerissi C, Tasse L, Torchet R, Bouchez O, Batut J, Cruveiller S, Rocha EPC, Masson-Boivin C. 2014. Transient hypermutagenesis accelerates the evolution of legume endosymbionts following horizontal gene transfer. *PLoS Biology*, doi:10.1371/journal.pbio.1001942.
9. Clerissi C, Desdevises Y, Romac S, Audic S, de Vargas C, Acinas SG, Casotti R, Poulain J, Wincker P, Hingamp P, Ogata H, Grimsley N. 2015. Deep sequencing of amplified *Prasinovirus* and host green algal genes from an Indian Ocean transect reveals interacting trophic dependencies and new genotypes. *Environmental Microbiology Reports*, 7 (6): 979-989. doi:10.1111/1758-2229.12345.
10. Marchetti M, Clerissi C, Yousfi Y, Gris C, Bouchez O, Rocha EPC, Cruveiller S, Jauneau A, Capela D, Masson-Boivin C. 2017. Experimental evolution of rhizobia may lead to either extra- or intracellular symbiotic adaptation depending on the selection regime. *Molecular Ecology*, doi:10.1111/mec.13895.
11. Capela D, Marchetti M, Clerissi C, Perrier A, Guetta D, Gris C, Valls M, Jauneau A, Cruveiller S, Rocha EPC, Masson-Boivin C. 2017. Recruitment of a lineage-specific virulence regulatory pathway promotes intracellular infection by a plant pathogen experimentally evolved into a legume symbiont. *Molecular Biology and Evolution*, 34 (10): 2503-2521. doi:10.1093/molbev/msx165.

12. Brener-Raffalli K, Clerissi C, Vidal-Dupiol J, Adjeroud M, Bonhomme F, Pratloug M, Aurelle D, Mitta G, Toulza E. 2018. Thermal regime and host clade, rather than geography, drive *Symbiodinium* and bacterial assemblages in the scleractinian coral *Pocillopora damicornis sensu lato*. *Microbiome*, 6: 39. doi:10.1186/s40168-018-0423-6.
13. Mouahid G, Clerissi C, Allienne J-F, Chaparro C, Yafae SA, Nguéma RM, Ibikounlé M, Moné H. 2018. The phylogeny of the genus *Indoplanorbis* (Gastropoda, Planorbidae) from Africa and the French West Indies. *Zoologica Scripta*, doi:10.1111/zsc.12297.
14. Clerissi C, Touchon M, Capela D, Tang M, Cruveiller S, Genthon C, Lopez-Roques C, Parker MA, Moulin L, Masson-Boivin C, Rocha EPC. 2018. Parallels between experimental and natural evolution of legume symbionts. *Nature Communications*, doi:10.1038/s41467-018-04778-5.
15. Clerissi C, Brunet S, Vidal-Dupiol J, Adjeroud M, Lepage P, Guillou L, Escoubas J-M, Toulza E. 2018. Protists within corals: the hidden diversity. *Frontiers in Microbiology*, doi:10.1038/s41467-018-04778-5.
16. De Lorgeril J, Lucasson A, Petton B, Toulza E, Montagnani C, Clerissi C, Vidal-Dupiol J, Chaparro C, Galinier R, Escoubas J-M, Haffner P, Degremont L, Charrière GM, Lafont M, Delort A, Vergnes A, Chiarello M, Faury N, Rubio TP, Leroy M, Pérignon A, Régler D, Morga B, Alumno-Bruscia M, Boudry P, Le Roux F, Destoumieux-Garzón D, Gueguen Y, Mitta G. 2018. Immune-suppression by OsHV-1 viral infection causes fatal bacteremia in Pacific oysters. *Nature Communications*, doi:10.1038/s41467-018-06659-3.
17. Barnier C, Clerissi C, Lami R, Intertaglia L, Lebaron P, Grimaud R, Urios L. 2020. Description of *Palleronia rufa* sp. nov., a biofilm-forming and AHL-producing *Rhodobacteraceae*, reclassification of *Hwanghaeicola aestuarii* as *Palleronia aestuarii* comb. nov., *Maribius pontilimi* as *Palleronia pontilimi* comb. nov., *Maribius salinus* as *Palleronia salina* comb. nov., *Maribius pelagius* as *Palleronia pelagia* comb. nov. and emended description of the genus *Palleronia*. *Systematic and Applied Microbiology*, doi:10.1016/j.syapm.2019.126018.

18. Huot C, Clerissi C, Gourbal B, Galinier R, Duval D, Toulza E. 2020. Schistosomiasis vector snails and their microbiota display a phylosymbiosis pattern. *Frontiers in Microbiology*, 10 : 3092. doi: 10.3389/fmicb.2019.03092.
19. Clerissi C, de Lorgeril J, Petton B, Lucasson A, Escoubas J-M, Gueguen Y, Dégremont L, Mitta G, Toulza E. 2020. Microbiota composition and evenness predict survival rate of oysters confronted to Pacific Oyster Mortality Syndrome. *Frontiers in Microbiology*, 11: 311. doi: 10.3389/fmicb.2020.00311.
20. Clerissi C, Guillou L, Escoubas J-M, Toulza E. 2020. Unveiling protist diversity associated with the Pacific oyster *Crassostrea gigas* using blocking and excluding primers. *BMC Microbiology*, 20: 193. doi.org/10.1186/s12866-020-01860-1.