

GENOMER
PUBLICATIONS ET COMMUNICATIONS ORALES
2020-2025

2025

PUBLICATIONS

Digital Pcr (Dpcr) vs. Quantitative Pcr (Qpcr) Approaches for the Quantification of Two Perkinsus Species within Clam Tissue Samples.

Chailier, E., Le Bayon, H., Dairain, A., Riquet, F., Stout, L., Chambouvet, A., & Smits, M.
2025, <https://doi.org/10.2139/ssrn.5160357>

Wild and farmed *Saccharina latissima* in Europe : genetic insights for sustainable cultivation, traceability and environmental challenges.

Jaugeon, L., Destombe, C., Ruggeri, P., Mauger, S., Coudret, J., Cock, J. M., Potin, P., & Valero, M.
2025, <https://doi.org/10.1101/2025.02.06.636791>

Association between exacerbation history and airway microbiota assessed by extended bacterial culture and metagenomic approaches in stable COPD.

Lecomte-Thenot, Q., Perotin, J.-M., Héry-Arnaud, G., Vélo-Suarez, L., Brisebarre, A., Clarenne, A., Group, R. S., Gouriou, S., Dury, S., Deslée, G., Muggeo, A., & Guillard, T.
2025, <https://doi.org/10.21203/rs.3.rs-6206453/v1>

Evolutionary history and association with seaweeds shape the genomes and metabolisms of marine bacteria.

Pfister, C. A., Berlinghof, J., Bogan, M., Cardini, U., Gobet, A., Hamon-Giraud, P., Hart, J., Jimenez, N., Siegel, A., Stanfield, E., Vallet, M., Leblanc, C., Rousseau, C., Thomas, F., Stock, W., & Dittami, S. M.
2025, *MSphere*, 10(6), e00996-24, <https://doi.org/10.1128/msphere.00996-24>

Sex chromosomes and chromosomal rearrangements are key to behavioural sexual isolation in *Jaera albifrons* marine isopods.

Ribardiere, A., Daguin-Thiebaut, C., Coudret, J., Le Corquille, G., Avia, K., Houbin, C., Loisel, S., Gagnaire, P.-A., & Broquet, T.
2025, <https://doi.org/10.1101/2025.01.08.631900>

A Practical Comparison of Short- and Long-Read Metabarcoding Sequencing: Challenges and Solutions for Plastid Read Removal and Microbial Community Exploration of Seaweed Samples.

Rousseau, C., Henry, N., Rousvoal, S., Tanguy, G., Legeay, E., Leblanc, C., & Dittami, S. M.
2025, *Molecular Ecology Resources*, e14129, <https://doi.org/10.1111/1755-0998.14129>

Microbial DNA extraction from the brown seaweed *Ascophyllum nodosum*.

Rousseau, C., Rousvoal, S., Leblanc, C., & Dittami, S. M.
2025, <https://www.protocols.io/view/microbial-dna-extraction-from-the-brown-seaweed-as-dzdr7256>

A duo of fungi and complex and dynamic bacterial community networks contribute to shape the *Ascomyces nodosum* holobiont.

Rousseau, C., Tanguy, G., Legeay, E., Blanquart, S., Belcour, A., Rousvoal, S., Potin, P., Leblanc, C., & Dittami, S. M.

2025, <https://doi.org/10.1101/2025.03.20.643298>

Comparative Population Genomics Unveils Congruent Secondary Suture Zone in Southwest Pacific Hydrothermal Vents.

Tran Lu Y, A., Ruault, S., Daguin-Thiebaut, C., Le Port, A.-S., Ballenghien, M., Castel, J., Gagnaire, P.-A., Bierre, N., Arnaud-Haond, S., Poitrimol, C., Thiebaut, E., Lallier, F., Broquet, T., Jollivet, D., Bonhomme, F., & Hourdez, S.

2025, Molecular Biology and Evolution, 42(2), msaf02, <https://doi.org/10.1093/molbev/msaf024>

Genetic structure of sugar kelp in the St. Lawrence Estuary and Gulf (Québec, Canada) Genetic structure of sugar kelp.

Treillefort, M., Cam, S. L., Valero, M., Mauger, S., Ruggieri, P., Salvo, F., Gendron-Lemieux, I., Provencher, T., Belley, R., & Dufresne, F.

2025, <https://doi.org/10.1101/2025.04.01.646547>

POSTERS

From fragmented to high-quality metagenome-assembled genomes : Nanopore adaptive sampling for the uncultivable endophyte *Mycophycias ascomyces*

Coralie Rousseau, Lucie Caradec, Gwenn Tanguy, Dimitri Artigia, Catherine Leblanc, Simon Dittami

2024

PUBLICATIONS

Prophylactic phage administration reduces *Salmonella* Enteritidis infection in newly hatched chicks.

Agapé, L., Menanteau, P., Kempf, F., Schouler, C., Boulesteix, O., Riou, M., Chaumeil, T., & Velge, P.

2024, MicrobiologyOpen, 13(6), e70002, <https://doi.org/10.1002/mbo3.70002>

Unexpected diversity and ecological significance of uncultivable large virus-like particles in aquatic environments.

Billard, H., Fuster, M., Enault, F., Carrias, J.-F., Fargette, L., Carrouée, M., Desmares, P., Delmont, T. O., Bigeard, E., Tanguy, G., Nogaret, P., Baudoux, A.-C., Christaki, U., Sime-Ngando, T., & Colombet, J.

2024, <https://doi.org/10.1101/2024.07.03.599014>

Genetic sex determination in three closely related hydrothermal vent gastropods, including one species with intersex individuals.

Castel, J., Pradillon, F., Cueff, V., Leger, G., Daguin-Thiébaud, C., Ruault, S., Mary, J., Hourdez, S., Jollivet, D., & Broquet, T.

2024, Journal of Evolutionary Biology, 37(7), 779–794, <https://doi.org/10.1093/jeb/voae051>

Chromosome-scale genome assembly and gene annotation of the hydrothermal vent annelid *Alvinella pompejana* yield insight into animal evolution in extreme environments

Sami El Hilali, Philippe Dru, Alan Le Moan, Yang I Li, Martijn A. Huynen, André Hoelz, Robert C. Robinson, José M. Martín-Durán, Didier Jollivet, Adam Claridge-Chang, Richard R. Copley

2024, <https://doi.org/10.1101/2024.06.25.600561>

Year-round quantification, structure and dynamics of epibacterial communities from diverse macroalgae reveal a persistent core microbiota and strong host specificities

Maéva Brunet, Nolwen Le Duff, Tristan Barbeyron, François Thomas

2024, <https://doi.org/10.1101/2024.07.22.604553>

Constrained Catalytic Itinerary of a Retaining 3,6-Anhydro-D-Galactosidase, a Key Enzyme in Red Algal Cell Wall Degradation

Dr. Michael D. Wallace, Irene Cuxart, Thomas Roret, Laura Guée, Dr. Aleksandra W. Debowski, Dr. Mirjam Czjzek, Prof. Carme Rovira, Dr. Keith A. Stubbs, Dr. Elizabeth Ficko-Blean

2024, Angewandte Chemie International Edition, <https://doi.org/10.1002/anie.202411171>

Seascape genetic study on *Laminaria digitata* underscores the critical role of sampling schemes

L. Fouqueau, L. Reynes, F. Tempera, T. Bajjouk, A. Blanfuné, C. Chevalier, M. Laurans, S. Mauger, M. Sourisseau, J. Assis, L. Lévêque, M. Valero

MEPS, 2024, <https://doi.org/10.3354/meps14640>

Divergent morphological and microbiome strategies of two neighbor sponges to cope with low pH in Mediterranean CO₂ vents

Jana Efremova, Valerio Mazzella, Alice Mirasole, Núria Teixidó, Laura Núñez-Pons

Science of The Total Environment, 2024, <https://doi.org/10.1016/j.scitotenv.2024.170171>

Arctic phytoplankton microdiversity across the marginal ice zone: Subspecies vulnerability to sea-ice loss

Catherine Gérikas Ribeiro, Adriana Lopes dos Santos, Nicole Trefault, Dominique Marie, Connie Lovejoy, Daniel Vaultot

Science of The Total Environment, 2024, <https://doi.org/10.1016/j.scitotenv.2024.170171>

Phage inducible chromosomal minimalist island (PICMI), a family of satellites of marine virulent phages

Rubén Barcia-Cruz, David Goudenège, Jorge A. Moura de

Sousa, Damien Piel, Martial Marbouty, Eduardo P.C. Rocha, Frédérique Le Roux

2023, <https://www.nature.com/articles/s41467-024-44965-1>

PRESENTATIONS ORALES

Journée microsko Gwenn Tanguy (GENOMER) : Hybrid sequencing Illumina+ MinION - 13 juin 2024

AG EMBRC Villefranche-sur-mer, Plateforme Genomer Séquençage et Mise A Disposition d'équipements - 6 juin 2024

2023

PUBLICATIONS

Genetic resources of macroalgae: Development of an efficient method using microsatellite markers in non-model organisms

Stéphane Mauger, Aurélien Baud, Gildas Le Corguillé, Gwenn Tanguy, Erwan Legeay, Emeline Creis, Myriam Valero, Philippe Potin, Christophe Destombe
Algal Research, September 2023 (75), 103251. <https://doi.org/10.1016/j.algal.2023.103251>

Bacterial symbiont diversity in Arctic seep *Oligobrachia siboglinids*

Arunima Sen, Gwenn Tanguy, Pierre E. Galand, Ann C. Andersen, Stéphane Hourdez
Animal Microbiome volume 5, Article number: 30 (June 2023). <https://doi.org/10.1186/s42523-023-00251-x>

The *Saccharina latissima* microbiome: Effects of region, season, and physiology

Bertille Burgunter-Delamare, Sylvie Rousvoal, Erwan Legeay, Gwenn Tanguy, Stein Fredriksen, Catherine Boyen, Simon M. Dittami
Front. Microbiol., 06 January 2023. <https://doi.org/10.3389/fmicb.2022.1050939>

Maintaining beneficial alga-associated bacterial communities under heat stress: insights from controlled co-culture experiments using antibiotic-resistant bacterial strains

Elham Karimi, Simon M Dittami
FEMS Microbiology Ecology, Volume 99, Issue 12, December 2023, fiad130. <https://doi.org/10.1093/femsec/fiad130>

***Zobellia alginiliquefaciens* sp. nov., a novel member of the flavobacteria isolated from the epibiota of the brown alga *Ericaria zosteroides* (C. Agardh) Molinari & Guiry 2020**

Tristan Barbeyron, Nolwen Le Duff, Eric Duchaud, François Thomas
International journal of systematic and evolutionary microbiology Volume 73 Issue 6, June 2023. <https://doi.org/10.1099/ijsem.0.005924>

Plasmid DNA Prime/Protein Boost Vaccination against *Campylobacter jejuni* in Broilers: Impact of Vaccine Candidates on Immune Responses and Gut Microbiota

Noémie Gloanec, Muriel Guyard-Nicodème, Raphaël Brunetti, Ségolène Quesne, Alassane Keita, Marianne Chemaly, Daniel Dory
Pharmaceutics 2023, 15(5), 1397. <https://doi.org/10.3390/pharmaceutics15051397>

Sexual selection in seaweed? Testing Bateman's principles in the red alga *Gracilaria gracilis*

E. Lavaut, M. Valero, S. Mauger, M. L. Guillemin, C. Destombe, M. Dufay
Royal society September 2023. <https://doi.org/10.1098/rspb.2023.1668>

Seasonal dynamics of a glycan-degrading flavobacterial genus in a tidally mixed coastal temperate habitat

Maéva Brunet, Nolwen Le Duff, Fabienne Rigaut-Jalabert, Sarah Romac, Tristan Barbeyron, François Thomas
Environmental Microbiology September 2023. <https://doi.org/10.1111/1462-2920.16505>

Coupling large-spatial scale larval dispersal modelling with barcoding to refine the amphi-Atlantic connectivity hypothesis in deep-sea seep mussels

Elodie Portanier, Amandine Nicolle, Willi Rath, Lorraine Monnet, Gregoire Le Goff, Anne-Sophie Le Port, Claire Daguin-Thiébaud, Cheryl L. Morrison, Marina R. Cunha, Melissa Betters, Craig M. Young, Cindy L. Van Dover, Arne Biastoch, Eric Thiébaud, Didier Jollivet
Front. Mar. Sci., Sec. Deep-Sea Environments and Ecology Vol 10, April 2023.

<https://doi.org/10.3389/fmars.2023.1122124>

PRESENTATIONS ORALES

20 ans de la plateforme Genomer, présentation des projets - Roscoff le 10 janvier 2023

Journée Microbiote en Santé - Nantes le 12 janvier 2023

2022

PUBLICATIONS

Sharing Vitamin B12 between Bacteria and Microalgae Does Not Systematically Occur: Case Study of the Haptophyte *Tisochrysis lutea*

Nef C, Dittami S, Kaas R, Briand E, Noël C, Mairet F, Garnier M.

Microorganisms 2022. 10(7):1337. <https://doi.org/10.3390/microorganisms10071337>

Specificity of a β -porphyranase produced by the carrageenophyte red alga *Chondrus crispus* and implications of this unexpected activity on red algal biology

Manat G, Fanuel M, Jouanneau D, Jam M, Mac-Bear J, Rogniaux H, Mora T, Larocque R, Lipinska A, Czjzek M, Ropartz D, Ficko-Blean E.

Journal of Biological Chemistry 2022. <https://doi.org/10.1016/j.jbc.2022.102707>

Chromosomal assembly of the flat oyster (*Ostrea edulis* L.) genome as a new genetic resource for aquaculture

Boutet I, Alves Monteiro H J, Baudry L, Takeuchi T, Bonnivard E, Billoud B, Farhat S, Gonzales-Araya R, Salaun B, Andersen AC, Toullec J-Y, Lallier FH, Flot J-F, Guiglielmoni N, Guo X, Li C, Allam B, Pales-Espinosa E, Hemmer-Hansen J, Moreau P, Marbouty M, Koszul R, Tanguy, A.

Evolutionary Applications, 15, 1730– 1748, August 2022. <https://doi.org/10.1111/eva.13462>

Arctic phytoplankton spring bloom diversity across the marginal ice zone in Baffin Bay

Gérikas Ribeiro C, Lopes dos Santos A, Trefault N, Marie D, Lovejoy C, Vaultot D.

March 2022. <https://doi.org/10.1101/2022.03.14.484350>

Impact of DNA Prime/Protein Boost Vaccination against *Campylobacter jejuni* on Immune Responses and Gut Microbiota in Chickens

Gloane N, Dory D, Quesne S, Béven V, Poezevara T, Keita A, Chemaly M, Guyard-Nicodème M.

Vaccines, 2022. <https://doi.org/10.3390/vaccines10060981>

Inter-Specific Genetic Exchange Despite Strong Divergence in Deep-Sea Hydrothermal Vent Gastropods of the Genus *Alviniconcha*

Castel J, Hourdez S, Pradillon F, Daguin-Thiébaud C, Ballenghien M, Ruault S, Corre E, Tran Lu Y A, Mary J, Gagnaire P-A, Broquet T & Jollivet D.

Genes 2022, 13, 985. <https://doi.org/10.3390/genes13060985>

Consuming fresh macroalgae induces specific catabolic pathways, stress reactions and Type IX secretion in marine flavobacterial pioneer degraders

Brunet M, Le Duff N, Barbeyron T, Thomas F.

ISME J, May 2022. <https://doi.org/10.1038/s41396-022-01251-6>

Water eDNA metabarcoding is effective in detecting non-native species in marinas, but detection errors still hinder its use for passive monitoring

Couton M, Lévêque L, Daguin-Thiébaud C, Comtet T & Frédérique Viard.

Biofouling, May 2022. <https://doi.org/10.1080/08927014.2022.2075739>

Searching for genetic evidence of demographic decline in an arctic seabird: beware of overlapping generations

Charbonnel E, Daguin-Thiébaud C, Caradec L, Moittié E, Gilg O, Gavrilov M V., Strøm

H, Mallory M L., Morrison R. I. G, Gilchrist H. G, Leblois R, Roux C, Yearsley J M., Yannic G, Broquet T.

Heredity 2022. <https://doi.org/10.1038/s41437-022-00515-3>

Active hydrothermal vents in the Woodlark Basin may act as dispersing centres for hydrothermal fauna

Boulart C, Rouxel O, Scalabrin C, Le Meur P, Pelleter E, Poitrimol C, Thiébaud E, Matabos M, Castel J, Tran Lu Y A, Michel L N., Cathalot C, Chéron S, Boissier A, Germain Y, Guyader V, Arnaud-Haond S, Bonhomme F, Broquet T, Cuffe-Gauchard V, Le Layec V, L'Haridon S, Mary J, Le Port A-S, Tasiemski A, Kuama D C., Hourdez S & Jollivet D.

Commun Earth Environ 3, 64 2022, <https://doi.org/10.1038/s43247-022-00387-9>

Chaotic Genetic Patchiness in the Highly Valued Atlantic Stalked Barnacle *Pollicipes pollicipes* From the Iberian Peninsula: Implications for Fisheries Management

Parrondo M, Morán P, Ballenghien M, Acuña J L., Aguión A, Arrontes J, Chiss J, Cruz T, Fernandes J N., García-Flórez L, García-Vázquez E, Geiger K J., Macho G, Thiébaud E, Weidberg N, Jollivet D, Borrell Y J.

Front. Mar. Sci., 15 March 2022, <https://doi.org/10.3389/fmars.2022.801780>

Host specificity of monogenean ectoparasites on fish skin and gills assessed by a metabarcoding approach

Scheifler M, Magnanou E, Sanchez-Brosseau S, Desdevises Y.

International Journal for Parasitology March

2022, <https://doi.org/10.1016/j.ijpara.2022.02.001>

Subtle limits to connectivity revealed by outlier loci within two divergent metapopulations of the deep-sea hydrothermal gastropod *Ifremeria nautilei*

Tran Lu Y A, Ruault S, Daguin-Thiébaud C, Castel J, Bierne N, Broquet T, Wincker P, Perdereau A, Arnaud-Haond S, Gagnaire P.-A, Jollivet D, Hourdez S and Bonhomme F.

Molecular Ecology. Accepted Author Manuscript. March 2022,

<https://doi.org/10.1111/mec.16430>

Effects of sampling and storage procedures on 16S rDNA amplicon sequencing results of kelp microbiomes

Burgunter-Delamare B, Tanguy G, Legeay E, Boyen C, M. Dittami S.

Marine Genomics 63 (2022) 100944, <https://doi.org/10.1016/j.margen.2022.100944>

PRÉSENTATIONS ORALES

Séquençage d'amplicons pour l'analyse de microbiotes : offre de service actuelle et innovations

Congrès Gen2Bio - La Baule, 24-25 Mars 2022

Bonnaud S, Tanguy G, Causse-Vedrines R.

2021

PUBLICATIONS

Development of tools to rapidly identify cryptic species and characterize their genetic diversity in different European kelp species

Mauger S, Fouqueau L, Avia K, Reynes L, Serrao E A., Neiva J, Valero M.

J Appl Phycol October 2021, <https://doi.org/10.1007/s10811-021-02613-x>

Specific detection and quantification of the marine flavobacterial genus *Zobellia* on macroalgae using novel qPCR and CARD-FISH assays

Brunet M, Le Duff N, Fuchs B.M., Amann R, Barbeyron T, Thomas F.

Systematic and Applied Microbiology September 2021, <https://doi.org/10.1016/j.syapm.2021.126269>

An introgression breakthrough left by an anthropogenic contact between two ascidians

Le Moan A, Roby C, Fraïsse C, Daguin-Thiébaud C, Bierne N, Viard F.

Molecular Ecology. 2021;00:1–15. <https://doi.org/10.1111/mec.16189>

Zobellia roscoffensis sp. nov. and *Zobellia nedashkovskayae* sp. nov., two flavobacteria from the epiphytic microbiota of the brown alga *Ascophyllum nodosum*, and emended description of the genus *Zobellia*

Barbeyron T, Thiébaud M, Le Duff N, Martin M, Corre E, Tanguy G, Vandenbol M, Thomas F.

International Journal Of Systematic And Evolutionary Microbiology Volume 71, Issue 8, August 2021, <https://doi.org/10.1099/ijsem.0.004913>

Diversity and evolution of pigment types and the phycobilisome rod gene region of marine *Synechococcus* cyanobacteria

Grébert T, Garczarek L, Daubin v, Humily F, Marie D, Ratin M, Devailly A, Farrant G, Mary I, Mella-Flores D, Tanguy G, Labadie K, Wincker P, Kehoe D, Partensky F.

bioRxiv 2021.06.21.449213 <https://doi.org/10.1101/2021.06.21.449213>

Population Genomics and Lagrangian Modeling Shed Light on Dispersal Events in the Mediterranean Endemic *Ericaria zosteroides* (= *Cystoseira zosteroides*) (Fucales)

Reynes L, Aurelle D, Chevalier C, Pinazo P, Valero M, Mauger S, Sartoretto S, Blanfuné A, Ruitton S, Boudouresque C-F, Verlaque M, Thibaut T.

Front. Mar. Sci., 02 June 2021 | <https://doi.org/10.3389/fmars.2021.683528>

Isotopic tracing reveals single-cell assimilation of a macroalgal polysaccharide by a few marine Flavobacteria and Gammaproteobacteria

Thomas F, Le Duff N, Wu T-D, Cébron A, Uroz S, Riera P, Leroux C, Tanguy G, Legeay E, Guerquin-Kern J-L.

The ISME Journal. <https://doi.org/10.1038/s41396-021-00987-x>

Genomic signatures of clonality in the deep water kelp *Laminaria rodriguezii*

Reynes L, Thibaut T, Mauger S, Blanfuné A, Holon F, Cruaud C, Couloux A, Valero M, Aurelle D.

John Wiley & Sons Ltd Molecular Ecology. 2021;30:1806–1822

<https://doi.org/10.1111/mec.15860>

High-throughput sequencing on preservative ethanol is effective at jointly examining infraspecific and taxonomic diversity, although bioinformatics pipelines do not perform equally

Couton M, Baud A, Daguin-Thiébaud C, Corre E, Comtet T, Viard F.

Ecology and Evolution. 2021;00:1–14. <https://doi.org/10.1002/ece3.7453>

Annual phytoplankton dynamics in coastal waters from Fildes Bay, Western Antarctic Peninsula

Trefault N, De la Iglesia R, Moreno-Pino M, Lopes dos Santos A, Gérikas Ribeiro C, Parada-Pozo G, Cristi A, Marie D, and Vaultot D.

Scientific Reports (Nature Publisher Group) 11, no. 1. <https://doi.org/10.1038/s41598-020-80568-8>

Accumulation of detached kelp biomass in a subtidal temperate coastal ecosystem induces succession of epiphytic and sediment bacterial communities.

Brunet, M., de Bettignies, F., Le Duff, N., Tanguy, G., Davoult, D., Leblanc, C., Gobet, A. and Thomas, F.

Environ Microbiol. Accepted Author Manuscript. <https://doi.org/10.1111/1462-2920.15389>

PRÉSENTATIONS ORALES

Exploring the microbiota of *Saccharina latissima*

12th International Phycological Congress - Chile, 22-26 March 2021

Burgunter-Delamare B, Rousvoal S, Tanguy G, Legeay E, Fredriksen S, Diehl N, Bischof, Boyen C and Dittami S.

2020

PUBLICATIONS

Oyster hemolymph is a complex and dynamic ecosystem hosting bacteria, protists and viruses

S. Dupont, A. Lokmer, E. Corre, J.-C. Auguet, B. Petton, E. Toulza, C. Montagnani, G. Tanguy, D. Pecqueur, C. Salmeron, L. Guillou, C. Desnues, B. La Scola, J. Bou Khalil, J. de Langeril, G. Mita, Y. Gueguen, J.-M. Escoubas.
Animal Microbiome (2020) 2:12. <https://doi.org/10.1186/s42523-020-00032-w>

Metabolic complementarity between a brown alga and associated cultivable bacteria provide indications of beneficial interactions

Burgunter-Delamare B, KleinJan H, Frioux C, Fremy E, Wagner M, Corre E, Le Salver A, Leroux C, Leblanc C, Boyen C, Siegel A, M. Dittami S.
Frontiers in Marine Science. <https://doi.org/10.3389/fmars.2020.00085>

After a catastrophe, a little bit of sex is better than nothing: Genetic consequences of a major earthquake on asexual and sexual populations

Ronan Becheler Marie-Laure Guillemin Solenn Stoeckel, Stéphane Mauger, Alice Saunier, Antonio Brante, Christophe Destombe, Myriam Valero.
Evolutionary Applications. 2020;13:2086–2100. <https://doi.org/10.1111/eva.12967>

Revisiting Australian *Ectocarpus subulatus* (Phaeophyceae) From the Hopkins River: Distribution, Abiotic Environment, and Associated Microbiota

M. Dittami S, F. Peters A, A. West J, Cariou T, KleinJan H, Burgunter-Delamare B, Prechoux A, Egan S, Boyen C.
Journal of Phycology. <https://doi.org/10.1111/jpy.12970>

A genome-wide investigation of the worldwide invader *Sargassum muticum* shows high success albeit (almost) no genetic diversity

Le Cam, S, Daguin-Thiébaud, C, Bouchemousse, S, Engelen, AH, Mieszkowska, N, Viard, F.
Evol Appl. 2020; 13: 500– 514. <https://doi.org/10.1111/eva.12837>

Genetic structure of amphi-Atlantic *Laminaria digitata* (Laminariales, Phaeophyceae) reveals a unique range-edge gene pool and suggests post-glacial colonization of the NW Atlantic

João Neiva, Ester A. Serrão, Cristina Paulino, Licínia Gouveia, Andrew Want, Éric Tamigneaux, Marion Ballenghien, Stéphane Mauger, Louise Fouqueau, Carolyn Engel-Gautier, Christophe Destombe, Myriam Valero.
European Journal of Phycology, 55:4, 517-528,
<https://doi.org/10.1080/09670262.2020.1750058>

Spill-back events followed by self-sustainment explain the fast colonization of a newly built marina by a notorious invasive seaweed

Salamon M, Lévêque L, Ballenghien M, Viard F.
Biological Invasions volume 22, pages1411–1429(2020). <https://doi.org/10.1007/s10530-019-02193-5>

Heat stress responses and population genetics of the kelp *Laminaria digitata* (Phaeophyceae) across latitudes reveal differentiation among North Atlantic populations

Daniel Liesner, Louise Fouqueau, Myriam Valero, Michael Y. Roleda, Gareth A. Pearson, Kai Bischof, Klaus Valentin, Inka Bartsch.

Ecology and Evolution. 2020;10:9144–9177 <https://doi.org/10.1002/ece3.6569>

Annual phytoplankton dynamics in coastal waters from Fildes Bay, Western Antarctic Peninsula

Nicole Trefault, Rodrigo De la Iglesia, Mario Moreno-Pino, Adriana Lopes dos Santos, Catherine Gérikas Ribeiro, Antonia Cristi, Dominique Marie, Daniel Vaultot.

bioRxiv 2020.10.27.356600; <https://doi.org/10.1101/2020.10.27.356600>

Effect of essential oil- and iodine treatments on the bacterial microbiota of the brown alga *Ectocarpus siliculosus*

Burgunter-Delamare, B., Boyen, C. & Dittami, S.M.

J Appl Phycol (2020). <https://doi.org/10.1007/s10811-020-02286-y>

Evaluation of a new primer combination to minimize plastid contamination in 16S rDNA metabarcoding analyses of alga-associated bacterial communities

François Thomas, Simon M. Dittami, Maéva Brunet, Nolwen Le Duff, Gwenn Tanguy, Catherine Leblanc, Angélique Gobet.

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POSTERS

Exploring the adaptation of surface microbiota in the kelp holobiont

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PRESENTATIONS ORALES

Présentation de Genomer

Journée d'animation de l'axe génomique de Biogenouest : Microbiomes - Rennes,
Octobre 2020

Tanguy G.

Genomer 3.0

Gen2Bio - Brest, November 2020

Tanguy G, Legeay E, Dittami S.