

- Metrics on Google scholar: [http://scholar.google.fr/citations?user=kK\\_F1gYAAAAJ&hl=en&oi=ao](http://scholar.google.fr/citations?user=kK_F1gYAAAAJ&hl=en&oi=ao)  
- Profile on Research gate: [https://www.researchgate.net/profile/Fabrice\\_Not/?ev=prf\\_high](https://www.researchgate.net/profile/Fabrice_Not/?ev=prf_high)

Students I supervised in the work cited are highlighted in light grey.

### **Peer reviewed scientific publications**

#### **2020**

- 86-** Sandin M.M., Biard, T., Romac, S., O'Dogherty, L., Suzuki, N., Not, F. **2020**. Morpho-molecular diversity and evolutionary analyses suggest hidden life styles in Spumellaria (Radiolaria). **BioRxiv** <https://doi.org/10.1101/2020.06.29.176917>
- 85-** Dittami, S. Arboleda, E., Auguet, J.-C., ....., Leblanc, C., Not, F. **2020**. A community perspective on the concept of marine holobionts: state-of-the-art, challenges, and future directions. **PCI Ecology** <https://ecology.peercommunityin.org/public/rec?id=48> doi: [10.5281/zenodo.3696771](https://doi.org/10.5281/zenodo.3696771)
- 84-** Llopis-Monferrer, N., Boltovskoy, D., Tréguer, P., Sandin M. M., Not F., Leynaert A. **2020**. Estimating Biogenic Silica Production of Rhizaria in the Global Ocean. **Global Biogeochemical Cycles** 34 (3) <https://doi.org/10.1029/2019GB006286>
- 83-** Nakamura Y., Sandin, M.M., Suzuki N., Tuji, A., Not, F. **2020**. Phylogenetic Revision of the Order Entactinaria—Paleozoic Relict Radiolaria (Rhizaria, SAR). **Protist** 171 (1) <https://doi.org/10.1016/j.protis.2019.125712>

#### **2019**

- 82-** Salazar G., L Paoli, A Alberti, J Huerta-Cepas, HJ Ruscheweyh, M Cuenca, ....., Not, F., ....., Wincker P., Sunagawa, S. **2019**. Gene expression changes and community turnover differentially shape the global ocean metatranscriptome. **Cell** 179 (5), 1068-1083. <https://doi.org/10.1016/j.cell.2019.10.014>
- 81-** Ibarbalz F.M., N Henry, MC Brandão, S Martini, G Busseni, H Byrne, ....., Not, F., ....., Bowler, C., Zinger, L. **2019**. Global trends in marine plankton diversity across kingdoms of life. **Cell** 179 (5), 1084-1097. <https://doi.org/10.1016/j.cell.2019.10.008>
- 80-** Capotondi, A., Jacox, M., Bowler, C., ....., Not, F., Pesant, S. **2019**. Observational Needs Supporting Marine Ecosystems Modeling and Forecasting: From the Global Ocean to Regional and Coastal Systems. **Frontiers in Marine Science**, <https://doi.org/10.3389/fmars.2019.00623>
- 79-** Gregory, A., Zayed, A., Conceição-Neto, N., Temperton, B., Ben Bolduc, ....., Not, F., ....., Wincker P., Sullivan, M.B. **2019**. Marine DNA Viral Macro- and Microdiversity from Pole to Pole. **Cell**, 177 (5), pp.1109-1123. <https://doi.org/10.1016/j.cell.2019.03.040>
- 78-** Metz, S., Lopes dos Santos, A., Berman, M.C., Bigeard, E., Licursi, M., Not, F., Lara, E., Unrein, F. **2019**. Diversity of photosynthetic picoeukaryotes in eutrophic shallow lakes as assessed by combining flow cytometry cell-sorting and high throughput sequencing. **FEMS microbiology ecology** 95 (5), <https://doi.org/10.1093/femsec/fiz038>
- 77-** Saha M., E. Berdalet, Y. Carotenuto, P. Fink, T. Harder, U. John, F. Not, G. Pohnert, P. Potin, E. Selander, W. Vyverman, T. Wichard, V. Zupo, and M. Steinke. **2019**. Using chemical language to shape future marine health. Concepts and questions paper. **Frontiers in Ecology and the Environment**. <https://doi.org/10.1002/fee.2113>
- 76-** Flynn K.J., Mitra A., Anestis K., Anschütz A.A., Calbet A., Duarte Ferreira G., Gypens N., Hansen P.J., John U., Lapeyra Martin J., Mansour J.S., Maselli M., Medić N., Norlin A., Not F., Pitta P., Romano F., Saiz E., Schneider L.K., Stolte W., Traboni C. **2019**. Mixotrophic protists and a new paradigm for marine ecology: where does plankton research go now? **Journal of Plankton Research**, <https://doi.org/10.1093/plankt/fbz026>
- 75-** Nettersheim, B., Brocks, J., Schwelm, A., Hope, J., Not, F., Lomas, M., Schmidt, C., Schiebel, R., Nowack, E., De Deckker, P., Pawlowski, J., Bowser, S., Bobrovskiy, I., Zonneveld, K., Kucera, M., Stuhr, M., **2019**. Putative sponge biomarkers in unicellular Rhizaria question an early rise of animals. **Nature Ecology Evolution**. <https://doi.org/10.1038/s41559-019-0806-5>

74- Sandin, M. M., Pillet, L., Biard, T., Poirier, C., Bigeard, E., Romac, S., Suzuki, N., Not, F. 2019. Time Calibrated Morpho-molecular Classification of Nassellaria (Radiolaria). **Protist**.

<https://doi.org/10.1016/j.protis.2019.02.002>

73- Faure E., Not F., Benoiston A.-S., Labadie K., Bittner L. & Ayata S.-D. 2019. Mixotrophic protists display contrasted biogeographies in the global ocean. **The ISME journal**.

<https://doi.org/10.1038/s41396-018-0340-5>

72- Kashiyama, Y., Yokoyama, A., Shiratori, T., Hess, S., Not F., Bachy, C., Gutierrez-Rodriguez, A.,....., Kinoshita, Y., Tamiaki, H. 2019. Taming Chlorophylls by Early Eukaryotes Underpinned Algal Interactions and the Diversification of the Eukaryotes on the Oxygenated Earth. **The ISME journal**.

<https://doi.org/10.1038/s41396-019-0377-0>

71- Caputi, L., Carradec, Q., Eveillard, D.,....., Not, F., Ribera d'Alcala, M., Wincker, P., Bowler, C., Iudicone, D. 2019. Community-level responses to iron availability in open ocean planktonic ecosystems. **Global Biogeochemical Cycles**. <https://doi.org/10.1029/2018GB006022>

70- Gutierrez-Rodriguez, A., Stukel, M.R., dos Santos, A.L., Biard, T., Scharek, R., Vaulot, D., Landry, M.R., Not, F. 2019. High contribution of Rhizaria (Radiolaria) to vertical export in the California Current Ecosystem revealed by DNA metabarcoding. **The ISME journal**.

<https://doi.org/10.1038/s41396-018-0322-7>

## 2018

69- Yoann Seeleuthner, Samuel Mondy, Vincent Lombard, Quentin Carradec, Eric Pelletier, ....., Not, F.,....., Sieracki, M., de Vargas, C., Wincker, P. Single-cell genomics of multiple uncultured stramenopiles reveals underestimated functional diversity across oceans. 2019. **Nature Communications**. <https://doi.org/10.1038/s41467-017-02235-3>

68- Piredda, R., Claverie, J.M., Decelle, J., de Vargas, C., Dunthorn, M., Edvardsen, B., Eikrem, W., Forster, D., Koositra, W.H.C.F., Logares, R., Massana, R., Montresor, M., Not, F., Ogata, H., Pawlowski, J., Romac, S., Sarno, D., Stoeck, T., Zingone, A. 2018. Diatom diversity through HTS-metabarcoding in coastal European seas. **Scientific reports** 8 (1), 18059

67- Stern, R., Kraberg, A., Bresnan, E., Kooistra, W. H.C.F., Lovejoy, C., Montresor, M., Morán, X.A.G., Not, F., Salas, R., Siano, R., Vaulot, D., Amaral-Zettler, L., Zingone, A., Metfies, K. 2018. Molecular analyses of protists in long-term observation programmes—current status and future perspectives. **Journal of Plankton Research** 40 (5), 519-536

66- Q Carradec, E Pelletier, C Da Silva, A Alberti,....., Not, F.,....., Iudicone, D., Bowler, C., Wincker, P. 2018. A global ocean atlas of eukaryotic genes. **Nature communications** 9 (1), 373.

<https://doi.org/10.1038/s41467-017-02342-1>

65- Villar E., Dani V., Bigeard E., Linhart T., Mendez-Sandin M., Bachy C., Six C., Lombard F., Sabourault C., Not F. 2018. Symbiont chloroplasts remain active during bleaching-like response induced by thermal stress in *Collozoum pelagicum* (Collodaria, Retaria). **Frontiers in Marine Science** 5, 387 <https://doi.org/10.3389/fmars.2018.00387>

64- Meng A., Marchet C., Corre E., Peterlongo P., Alberti A., Da Silva C., Wincker P., Pelletier E., Probert I., Decelle J., Le Crom S., Not F., Bittner L. 2018. A de novo approach to disentangle partner identity and function in holobiont systems. **Microbiome** 6 (1), 105

63- Meng A., Corre E., Probert I., Gutierrez-Rodriguez A., Siano R., Annamale A., Alberti A., Da Silva C., Wincker P., Le Crom S., Not F., Bittner L. 2018. Analysis of The Genomic Basis Of Functional Diversity In Dinoflagellates Using A Transcriptome-Based Sequence Similarity Network. **Molecular Ecology** 27 (10), 2365-2380

## 2017

62- Leles S.G., Mitra A., Flynn K.J., Stoecker D.K., Hansen P.J., Calbet A., McManus G.B., Sanders R.W., Caron D.A., Not F., Hallegraeff G.M., Pitta P., Raven J.A., Johnson M.D., Glibert P.M., Vage S. 2017. Oceanic protists with different forms of acquired phototrophy display contrasting biogeographies and abundance. **Proc. R. Soc. B** 284 (1860), 20170664

61- Alberti A., Poulain J., ....., Not F., Pesant S., Raes J., Sardet C., Speich S., Stemmann L., Sunagawa S., Wincker P. 2017. Viral to metazoan marine plankton nucleotide sequences from the Tara Oceans expedition. **Scientific data** 4, sdata201793

60- Le Herisse A., Vecoli M., Guidat C., Not F., Breuer P., Wellman C., Steemans P. **2017**. Middle Ordovician acritarchs and problematic organic-walled microfossils from the Saq-Hanadir transitional beds in the QSIM-801 well, Saudi Arabia. **Revue de micropaléontologie** 60 (3), 289-318

59- Chust G., Vogt M., Benedetti, F., Nakov, T., Villeger, S., Aubert, A., Vallina, S.M., Righetti, D., Not, F., Biard, T., Bittner, L., Benoiston, A-S., Guidi, L., Villarino, E., Gaborit, C., Cornils, A., Buttay, L., Irisson, J-O., Chiarello, M., Vallim A.L., Blanco-Bercial, L., Basconi, L., Ayata, S-D. **2017**. Mare Incognitum: A glimpse into future plankton diversity and ecology research. **Frontiers in Marine Science** doi: 10.3389/fmars.2017.00068.

58- Biard, T., Bigeard, E., Audic, S., Poulain, J., Gutierrez-Rodriguez, A., Stemmann, L., Not, F. **2017**. Biogeography and diversity of Collodaria (Radiolaria) in the global ocean. **The ISME journal** 11, 1331–1344. doi:10.1038/ismej.2017.12

57- Gutierrez-Rodriguez, A., Pillet, L., Biard, T., Said-Ahmad, W., Amrani, A., Simo, R., Not, F. **2017**. Dimethylated sulfur compounds in symbiotic protists: a potentially significant source for marine DMS(P). **Limnology and Oceanography** 62 (3), 1139-1154

56- Selosse, M-A., Charpin, M., Not, F. **2017**. Mixotrophy everywhere on land and in water: the grand-ecart hypothesis. **Ecology Letters**. 20 (2), 246-263. DOI: 10.1111/ele.12714

#### 2016

55- Biard, T., Stemmann, L., Picheral, M., Mayot, N., Vandromme, P., Hauss, H., Gorsky, G., Guidi, L., Kiko, R., Not, F. **2016**. In situ imaging reveals the biomass of giant protists in the global ocean. **Nature**. 532:504-507. Doi 10.1038/nature17652

54- Mitra, A., Flynn, K.J., ..... , Not, F., ..... et al. **2016**. Defining planktonic functional groups on mechanisms for energy and nutrient acquisition : incorporation of diverse mixotrophic strategies. **Protist**. 167:106-120. Doi 10.1016/j.protis.2016.01.003

53- Forster D., Dunthorn, M.,..... , Not, F., ..... et al. **2016**. Benthic protists: the under-charted majority. **FEMS Microbial Ecology**

52- Guidi, L., Chaffron, S., Bittner, L., Eveillard, D.,..... , Not, F., ..... et al. **2016**. Plankton networks driving carbon export in the oligotrophic ocean. **Nature**. 532:465-470. Doi 10.1038/nature16942

51- Marron, A.O., Ratcliffe, S., Wheeler, G.L., Goldstein, R.E., King, N., Not, F., de Vargas, C., Richter, D.J. **2016**. The evolution of silicon transport in eukaryotes. **Molecular Biology and Evolution**. doi: 10.1093/molbev/msw209

50- Arrigoni, R., Vacherie, B., Benzoni, F., Stefani, F., Karsenti, E., Jaillon, O., Not, F., Nunes, F., Payiri, C., Wincker, P., Barbe, V. **2016**. A new sequence dataset of SSU rRNA gene for scleractinia and its phylogenetic and ecological applications. **Molecular Ecology Resources**. DOI 10.1111/1755-0998.12640

#### 2015

49- Decelle, J. and Not, F. **2015**. Acantharia. **Encyclopedia of Life Science**. Wiley & Sons eds. DOI: 10.1002/9780470015902.a0002102.pub2

48- Massana, R., Gobet, A., Audic, S.,..... , Not, F.,..... et al. **2015**. Marine protist diversity in European coastal waters and sediments as revealed by high-throughput sequencing. **Environmental Microbiology** DOI:10.1111/1462-2920.12955

47- Nakamura, Y., Imai, I., Yamaguchi, A., Tuji, A., Not, F., Suzuki, N. **2015**. Molecular Phylogeny of the Widely Distributed Marine Protists, Phaeodaria (Rhizaria, Cercozoa). **Protist** 166(3). DOI:10.1016/j.protis.2015.05.004

46- Pesant, S. \*, Not, F. \*, Picheral, M. \*, Kandels-Lewis, S. \*, Le Bescot, N. \*, Gorsky, G., Iudicone, D., Karsenti, E., Speich, S., Troublé, R., Dimier, C., Searson, S. **2015**. Open science resources for the discovery and analysis of *Tara* Oceans data. **Scientific Data** DOI:10.1038/sdata.2015.23

45- de Vargas, C., Audic, S., Henry, N.,..... , Not, F.,..... et al. **2015**. Eukaryotic plankton diversity in the sunlit ocean. **Science** DOI:10.1126/science.1261605

44- Brum, J.R., Ignacio-Espinoza, J.C., Roux, S.,..... , Not, F.,..... et al. **2015**. Patterns and ecological drivers of ocean viral communities. **Science** DOI:10.1126/science.1261498

**43-** Sunagawa, S., Coehlo, L.P., Chaffron, S.,....., Not, F.,..... et al. **2015**. Structure and function of the global ocean microbiome. **Science** DOI:10.1126/science.1261359

**42-** Lima-Mendez, G., Faust, K., Henry, N.,....., Not, F., ..... et al. **2015**. Determinants of community structure in the global plankton interactome. **Science** DOI:10.1126/science.1262073

**41-** Villar, E., Farrant, G., Follows, M.J.,....., Not, F.,\*, Hingamp, P. \*, Ludicone, D. \*. **2015**. Environmental characteristics of Agulhas rings affect inter-ocean plankton transport. **Science** DOI:10.1126/science.1261447.

**40-** Biard, T., Pillet, L., Decelle, J., Poirier, C. Suzuki, N., Not, F. **2015** Towards an Integrative Morpho-molecular Classification of the Collodaria (Polycystinea, Radiolaria). **Protist** 163:374-388. DOI:10.1016/j.protis.2015.05.002

**39-** Balzano S., Corre E., Decelle J., Sierra R., Wincker P., Da Silva C., Poulain J., Pawlowski J., Not, F. **2015**. Transcriptome analyses to investigate symbiotic relationships between marine protists. **Front. Microbiol.** 6:98. doi: 10.3389/fmicb.2015.00098

#### 2014

**38-** Probert, I., Raffaele, S., Poirier, C., Decelle, J., Biard, T., Akihiro, T., Suzuki, N., Not, F. **2014**. *Brandtodinium* gen. nov. and *B. nutriculum* comb. nov. (Dinophyceae), a dinoflagellate commonly found in symbiosis with polycystine radiolarians. **Journal of Phycology** 50:388-399. DOI: 10.1111/jpy.12174

**37-** Decelle, J., Romac, S., Sasaki, E., Not, F., Mahé, F. **2014**. Intracellular diversity of the V4 and V9 regions of the 18S rRNA in marine protists (radiolarians) assessed by high-throughput sequencing. **PLoS ONE** 9(8): e104297 . DOI:10.1371/journal.pone.0104297

**36-** Logares, R., Audic, S., Bass, D., Bittner, L., Boutte, C., Christen, R., Claverie, J-M., Decelle, J., Dolan, J.R., Dunthorn, M., Edvardsen, B., Gobet, A., Kooistra, W.H.C.F., Mahé, F., Not, F., Ogata, H., Pawlowski, J., Pernice, M.C., Romac, S., Shalchian-Tabrizi, K., Simon, N., Stoeck, T., Santini, S., Siano, R., Wincker, P., Zingone, A., Richards, T.A., de Vargas, C., Massana, R. **2014**. Patterns of rare and abundant marine microbial eukaryotes. **Current Biology** 24: 813-821. DOI: 10.1016/j.cub.2014.02.050

**35-** Unrein, F., Gasol, J.M., Not, F., Forn, I., Massana, R. **2014**. Mixotrophic haptophytes are key bacterial grazers in oligotrophic coastal waters. **The ISME journal**. DOI:10.1038/ismej.2013.132

#### 2013

**34-** Sierra, R., Matz, M. V., Aglyamova, G., Pillet, L., Decelle, J., Not, F., de Vargas, C., and Pawlowski, J. **2013**. Deep relationship of Rhizaria revealed by phylogenomics: a farewell to Haeckel's Radiolaria. **Molecular Phylogenetics and Evolution** 67: 53-59. DOI:10.1016/j.ympev.2012.12.011

**33-** Hingamp, P., Grimsley, N.,....., Not, F., Pesant, S., Wincker, P., Ogata, H. **2013**. Exploring nucleo-cytoplasmic large DNA viruses in TaraOceans microbial metagenomes. **ISME Journal** 7:1678-1695. doi:10.1038/ismej.2013.59

**32-** Guilloux, L., Rigault-Jalabert, F., Jouenne, F., Ristori, S., Viprey, M., Not, F., Vaultot, D., Simon, N. **2013**. An annotated checklist of Marine Phytoplankton taxa at the SOMLIT-Astan time series off Roscoff (Western Channel, France): data collected from 2000 to 2010. **Cahiers de Biologie Marine** 54 (2): 247-256

**31-** Kirkham, A.R., Lepère, C., Jardillier, L. E., Not, F., Bouman, H., Mead, A., Scanlan, D.J. **2013**. A global perspective on marine photosynthetic picoeukaryote community structure. **ISME Journal** 7 (5): 922-936

**30-** Guillou L., ..... , Not, F., ..... , et al. **2013**. The Protist Ribosomal Reference database (PR<sup>2</sup>): a catalog of unicellular eukaryote Small SubUnit rRNA sequences with curated taxonomy. **Nucleic Acids Research**, 41 (D1): D597-D604. doi: 10.1093/nar/gks1160

**29-** Decelle, J., Martin, P., Paborstava, K., Pond, D.W., Tarling, G., Mahé, F., de Vargas, C., Lampitt, R., and Not, F. **2013**. Diversity, ecology and biogeochemistry of cyst-forming Acantharia (Radiolaria) in the oceans. **PLoS ONE** 8 (1) e53598

#### 2012

- 28- Decelle, J., Probert, I., Bittner, L., Desdevises, Y., Colin, S., de Vargas, C., Gali, M., Simo, R., and Not, F. **2012**. An original mode of symbiosis in open ocean plankton. **Proceedings of the National Academy of Sciences of the United States of America**, 109 (44): 18000-18005
- 27- Decelle, J., Siano, R., Probert, I., Poirier, C., Not, F. **2012**. Multiple microalgal partners in symbiosis with the Acantharia *Acanthochiasma* sp. (Radiolaria). **Symbiosis**, doi.org/10.1007/s13199-012-0195-x
- 26- Decelle, J., Suzuki, N., Mahé, F., de Vargas, C., and Not, F. **2012**. Molecular phylogeny and evolutionary history of the Acantharia (Radiolaria). **Protist**, 163: 435-450
- 25- del Campo, J., F. Not, I. Forn, Sieracki, M.E., R. Massana. **2012**. Taming the smallest predators of the oceans. **ISME Journal** pp1–8. doi:10.1038/ismej.2012.85
- 24- Ishitani, Y., Ujiié, Y., de Vargas, C., Not, F. and Takahashi, K. **2012**. Phylogenetic Relationships and Evolutionary Patterns of the Order Collodaria (Radiolaria). **PLoS ONE** 7:e35775
- 23- Ishitani, Y., Ujiié, Y., de Vargas, C., Not, F. and Takahashi, K. **2012**. Two distinct lineages in the radiolarian Order Spumellaria having different ecological preferences. **Deep Sea Research Part II: Topical Studies in Oceanography** 61-64: 172-178
- 2011**
- 22- Karsenti, E.,....., Not, F.,....., et al. **2011**. A holistic approach to marine eco-systems biology. **PLoS Biology** 9:e1001177
- 21- Siano, R., Alves-de-Souza, C., Foulon, E., Bendif, E. M., Simon, N., Guillou, L., Not, F. **2011**. Distribution and host diversity of Amoebophryidae parasites across oligotrophic waters of the Mediterranean Sea. **Biogeoscience** 8: 267-278
- 2010**
- 20- Siano, R., Montresor, M., Probert, I., Not, F., de Vargas, C. **2010**. *Pelagodinium* gen. nov. and *P. béii* comb. nov., a dinoflagellate symbiont of planktonic foraminifera. **Protist** 161: 385-399
- 2009**
- 19- Stoecker, D.K., Johnson, M.D., de Vargas, C., Not, F. **2009**. Acquired phototrophy in aquatic protists. **Aquatic Microbial Ecology** 57: 279–310
- 18- Massana, R., Unrein, F., Rodriguez-Martinez, R., Forn, I., Lefort, T., Pinhassi, J., Not, F. **2009**. Grazing rates and functional diversity of uncultured heterotrophic flagellates. **ISME Journal** 3: 588–596
- 17- Not, F., del Campo, J., Balagué, V., de Vargas, C., Massana, R. **2009**. New Insights into the Diversity of Marine Picoeukaryotes. **PLoS ONE** 4: e7143
- 16- Liu, H., Probert, I., Utiz, J., Claustre, H., Aris-Brossou, S., Frada, M., Not, F., De Vargas, C. **2009**. Extreme diversity in non-calcifying haptophytes explains a major pigment paradox in open oceans. **Proceedings of the National Academy of Science of the United States of America** 106: 12803-12808
- 15- Worden, A.Z., ..... ,Not, F., ..... , et al. **2009**. Green Evolution and Dynamic Adaptations Revealed by Genomes of the Marine Picoeukaryotes *Micromonas*. **Science** 324:268-272
- 2008**
- 14- Not, F., Latasa, M., Scharek, R., Viprey, M., Karleskind, P., Balagué, V., Ontoria, I., Cumino, A., Goetze, E., Vaultot, D. and Massana, R. **2008**. Protistan assemblages across the Indian Ocean, with a specific emphasis on the picoeukaryotes. **Deep - Sea Research Part I - Oceanographic Research Papers** 55: 1456-1473
- 13- Foulon, E., Not, F., Jalabert, F., Cariou, T., Massana, R. and Simon, N. **2008**. Ecological niche partitioning in the picoplanktonic green alga *Micromonas pusilla*: evidence from environmental surveys using phylogenetic probes. **Environmental Microbiology** 10: 2433-2443
- 12- Zwirgmaier, K., L. Jardillier, M. Ostrowski, S. Mazard, L. Garczarek, D. Vaultot, F. Not, R. Massana, O. Ulloa, D. J. Scanlan. **2008**. Global phylogeography of marine *Synechococcus* and *Prochlorococcus* reveals a distinct partitioning of lineages amongst oceanic biomes. **Environmental Microbiology** 10: 147-161
- 2007**
- 11- Not, F., M. Zapata, Y. Pazos, E. Campaña, M. Doval, and F. Rodríguez. **2007**. Molecular and pigment analyses of size-fractionated phytoplankton in the Ria of Pontevedra (NW Spain). **Aquatic Microbial Ecology** 49: 255-265

10- Not, F., R. Gausling, F. Azam, J. F. Heidelberg, and A. Z. Worden. **2007**. Vertical distribution of picoeukaryotic diversity in the Sargasso Sea. **Environmental Microbiology** 9: 1233–1252

9- Not, F., K. Valentin, K. Romari, C. Lovejoy, R. Massana, K. Töbe, D. Vaultot, and L.K. Medlin. **2007**. Picobiliphytes: A marine picoplanktonic algal group with unknown affinities to other eukaryotes. **Science** 315: 252-254

#### 2006

8- Frada, M., F. Not, I. Probert and C. de Vargas. **2006**. CaCO<sub>3</sub> optical detection with fluorescent *in situ* hybridization: a new method to identify and quantify calcifying microorganisms from the oceans. **Journal of Phycology** 42: 1162-1169

#### 2005

7- Not, F., R. Massana, M. Latasa, D. Marie, C. Colson, W. Eikrem, C. Pedros-Alio, D. Vaultot, and N. Simon. **2005**. Late summer community composition and abundance of photosynthetic picoeukaryotes in Norwegian and Barents seas. **Limnology and Oceanography** 70: 4064-4072.

6- Zhu, F., R. Massana, F. Not, D. Marie, and D. Vaultot. **2005**. Mapping of picoeucaryotes in marine ecosystems with quantitative PCR of 18S rRNA gene. **FEMS Microbiology Ecology** 52:79-92.

#### 2004

5- Not, F., M. Latasa, D. Marie, T. Cariou, D. Vaultot, and N. Simon. **2004**. A single species, *Micromonas pusilla* (Prasinophyceae), dominates the eukaryotic picoplankton in the Western English Channel. **Applied and Environmental Microbiology** 70: 4064-4072.

4- Houdan, A., C. Billard, D. Marie, F. Not, A. G. Saez, J. R. Young, and I. Probert. **2004**. Flow cytometric analysis of relative ploidy levels in holococcolithophore-heterococcolithophore (Haptophyta) life cycles. **Systematics and Biodiversity** 1: 1-13.

#### 2003

3- Biegala, I. C., F. Not, D. Vaultot, and N. Simon. **2003**. Quantitative assessment of picoeukaryotes in the natural environment using taxon specific oligonucleotide probes in association with TSA-FISH (Tyramide Signal Amplification - Fluorescent *In Situ* Hybridization) and flow cytometry. **Applied and Environmental Microbiology** 69:5519-5529

#### 2002

2- Not, F., N. Simon, I. C. Biegala, and D. Vaultot. **2002**. Application of fluorescent in situ hybridization coupled with tyramide signal amplification (FISH-TSA) to assess eukaryotic picoplankton composition. **Aquatic Microbial Ecology** 28:157-166

1- Vaultot, D., K. Romari, and F. Not. **2002**. Are autotrophs less diverse than heterotrophs in marine picoplankton? **Trends in Microbiology**10:266-267

#### **Publications without peer-review**

5- Thiebault, S. et al. **2017**. [Prospectives de l'institut écologie et environnement du CNRS](#).

4- Boyen, C., Heip, C., Cury, P., Baisnée, P.-F., Brownlee, C., Tessmar-Raible, K.,....., Not, F.,.....et al. **2012**. EuroMarine Research Strategy Report - Deliverable 3.2. Seventh Framework Program Project EuroMarine - Integration of European Marine Research Networks of Excellence. **FP7-ENV-2010.2.2.1-3**. Contract number 265099.

3- Not, F., Debroas, D., Jebbar, M. & Jaillon, O. **2011**. Ces acteurs invisibles qui contrôlent les milieux aquatiques. **Biofutur**319:34-38

2- Not, F. **2008**. La importància del fitoplàncton. **Omnis Cellula** 19

1- Valentin K., K. Romari, and F. Not. **2001**. Uncovering picoplankton biodiversity by sequencing of environmental rRNA genes. **Qiagen News** Issue N°5.

#### **Invited presentation at conferences**

13- Not, F. **2019**. Mixotrophs and challenges for molecular biology. **VIII European Congress of Protistology**. Rome, Italy

12- Not, F. **2018**. Photosymbiosis in the ocean. **International Society of Protistology and Phycological Society of America joint meeting**. Vancouver, Canada (*Keynote presentation*)

- 11- Not, F. 2017.** Morpho-molecular approaches to investigate the diversity and ecology of skeleton bearing protists. **15<sup>th</sup> International Conference on Fossil and Recent Radiolarians.** Niigata, Japan (*Keynote presentation*)
- 10- Not F.,** Villar E., Meng A., Bachy C., Six C., Bittner L., Leroux C., Alberti A., Eveillard D. & Corre E. **2017.** Eco-physiology of plankton photosymbiosis. **15<sup>th</sup> International Congress of Protistology.** Prague, Czech Republic.
- 9- Not F., 2016.** Diversity and ecology of living radiolarians based on morpho-molecular approaches. **Annual meeting of the micropaleontological society.** Lille, France.
- 8- Not, F., 2016.** Photosymbiosis in the plankton. **16<sup>th</sup> International Symposium on Microbial Ecology (ISME 16<sup>th</sup>).** Montreal, Canada.
- 7- Not, F. 2015.** Radiolarians are the elusive stars of the oceans. **The Science of Tara Oceans.** Institut Océanographique, Paris, France.
- 6- Not, F. 2014.** La biodiversité marine: *Terra incognita*. **Les journées de l'Académie des Sciences en Bretagne.** Roscoff, France.
- 5- Not, F. 2014.** Microalgal symbiosis in the plankton. **5<sup>th</sup> annual meeting of the EFOR network.** Paris, France.
- 4- Not, F. 2014.** Zooxanthellae do not exist. **Journées de la société Française de Phycologie.** Roscoff, France.
- 3- Not, F.,** Massana, R., de Vargas, C. **2009.** Environmental Diversity of Eukaryotic Marine Microbes. **9<sup>th</sup> International Phycological Congress,** Tokyo, Japan.
- 2- Not, F. 2008.** Genetic diversity of eukaryotic microbes in the ocean. **Marine Genomics Europe – Final assembly,** Faro, Portugal.
- 1- Not, F. 2005.** Quantitative study of natural picoeukaryotic diversity by Fluorescent *in situ* Hybridization coupled with enzymatic signal amplification. **9<sup>ème</sup> Colloque de la Société Française des Microscopie,** Caen, France.

#### ***Contributed talks at conferences***

- 14- Llopis Monferrer N.,** Mendez-Sandin M., Treguer, P., Not, F., Leynaert, A. **2018.** Rhizaria : an unexpected role in the marine silica cycle. **ASLO Ocean Science meeting** Portland, U.S.A.
- 13- Mendez-Sandin M.,** Pillet L., Biard T., Poirier C., le Gall F., Bigeard E., Romac S., Colin S., Bachy C., Bittner L., Suzuki N., Not F. **2017.** Time calibrated morpho-molecular classification of Polycystine Nassellaria (Radiolaria). **15<sup>th</sup> International Conference on Fossil and Recent Radiolarians.** Niigata, Japan
- 12- Biard, T.,** Pillet, L., Decelle, J., Poirier, C., Suzuki, N., Not, F. **2015.** Morpho-molecular classification of the Collodaria : toward an integrative taxonomy ?. **14<sup>th</sup> International Conference on Fossil and Recent Radiolarians,** Antalya, Turkey.
- 11- Biard, T.,** Stemmann, L., Picheral, M., Mayot, N., Vandromme, P., Hauss, H., Gorsky, G., Guidi, L., Kiko, R., Not, F. **2015.** *In situ* observations unveil an unexpectedly large biomass of Radiolaria and Phaeodaria (Rhizaria) in the oceans. **Jacques Monod Conference “Marine eco-systems biology”,** Roscoff France
- 10- Biard, T.,** Stemmann, L., Picheral, M., Kiko, R., Mayot, N., Vandromme, P., Hauss, H., Gorsky, G., Guidi, L., Not, F. **2015.** Rhizaria: the elusive stars of the oceans. **ALSO Aquatic science meeting 2015,** Granada, Spain.
- 9- Villar, E.** Hingamp, P., Not, F., Iudicone, D. **2014.** Plankton fate during Agulhas leakage. **ASLO Aquatic Sciences Meeting 2014,** Honolulu, Hawaii, USA.
- 8- Decelle, J.,** Suzuki, N., Mahé, F., de Vargas, C., and Not, F. **2012.** Molecular phylogeny and evolutionary history of the Acantharia (Radiolaria). **13<sup>th</sup> International Conference on Fossil and Recent Radiolarians,** Cadiz, Spain.
- 7- Decelle, J.,** Suzuki, N., Mahé, F., de Vargas, C., Not, F., **2011.** Molecular phylogenetics and evolutionary history of planktonic Acantharia (Radiolaria). **7<sup>th</sup> International Congress of Systematic and Evolutionary Biology (ICSEB VII),** Berlin, Germany.

- 6- Ishitani, Y., Ujii, F., Not, F., C. de Vargas. **2010**. Phylogenetic relationship and evolution of Spumellaria (Radiozoa). **18th Meeting of the International Society for Evolutionary Protistology (ISEP XVIII)**, Kanazawa, Japan.
- 5- Suzuki, N., A. Tiji, K. Ogane, J. Decelle, F. Not. **2010**. Species diversity of Acantharia (Radiolaria, Rhizaria): Reexamination of the morphological classification at the species level. **18th Meeting of the International Society for Evolutionary Protistology (ISEP XVIII)**, Kanazawa, Japan.
- 4- Decelle, J., C. de Vargas, N. Suzuki, F. Not. **2010**. Unveil the diversity and symbiosis in planktonic Acantharia. **18th Meeting of the International Society for Evolutionary Protistology (ISEP XVIII)**, Kanazawa, Japan.
- 3- De Vargas, C., Not, F., Johnson, M., Stoecker, D. **2007**. Pelagic eukaryotic symbiogenesis: an ecological perspective. **45<sup>eme</sup> congrès du GPLF, Groupement des Protistologues de Langue Française**, Station Biologique de Roscoff, France.
- 2- Hilton J., F. Not, C. Guigand, and A.Z. Worden. **2006**. Seasonal Variations of Gulf Stream Picoplankton Communities. **Ocean Science Meeting (ASLO, AGU and TOS)**, Hawaii, USA.
- 1- Not F., M. Latassa, D. Marie, D. Vaultot, and N. Simon. **2002**. New oligonucleotide probes targeting Prasinophyceae clades and Genera: Application to a seasonal cycle in coastal waters. **Analysis of Single Cells in the Marine Phytoplankton (ASCMAP)**. AWI, Germany.

### ***Contributed posters at conferences***

- 39- Llopis Monferrer, N., Moriceau B., Gutierrez-Rodriguez A., Not F., Tréguer P., Leynaert, A. **2020**. Rhizaria and Diatoms. Their relative impact on the silicon cycle in the Southern Ocean. **Ocean Science Meeting**. San Diego, California, USA
- 38- Villar, E., Dani, V., Bigeard, E., Linhart, T., Mendez-Sandin, M., Bachy, C., Six, C., Lombard, F., Sabourault, C. Not, F. **2018**. Chloroplasts of symbiotic microalgae remain active during bleaching induced by thermal stress in plankton Collozoum pelagicum (Collodaria, Radiolaria). **17<sup>th</sup> International Symposium on Microbial Ecology**. Leipzig, Germany.
- 37- Bittner L., Meng A., Marchet C., Corre E., Peterlongo P., Alberti A., Da Silva C., Wincker P., Pelletier E., Probert I., Decelle J., Suzuki, N., Le Crom S., Not F. **2018**. From genomic dark matter to symbiosis : innovative strategies to investigate holobiont transcriptomes. **17<sup>th</sup> International Symposium on Microbial Ecology**. Leipzig, Germany.
- 36- Villar, E., Dani, V., Bigeard, E., Linhart, T., Mendez-Sandin, M., Bachy, C., Six, C., Lombard, F., Sabourault, C. Not, F. **2018**. Chloroplasts of symbiotic microalgae remain active during bleaching induced by thermal stress in plankton Collozoum pelagicum (Collodaria, Radiolaria). **9<sup>th</sup> International Symbiosis Society meeting**, Corvallis, Oregon, U.S.A.
- 35- Le Gall F., Arsenieff A., Rigaut-Jalabert F., Manno M., Not F., Romac S., Audic S., Baudoux A.-C., Simon, N. **2017**. La biodiversité du phytoplancton en Manche Occidentale : approches de métabarcoding et méthodes culturelles. **Ville Colloque de l'Association Francophone d'Ecologie Microbienne**, Camaret-sur-Mer, France
- 34- Not F., J. Decelle, S. Colin. **2017**. Planktomania: 3D technologies to promote education and outreach on plankton. **15<sup>th</sup> International Congress of Protistology**. Prague, Czech Republic
- 33- Bachy C. & Not F. **2017**. DYNAMO project: Characterization of the diversity and function of plankton associated microbiota. **15<sup>th</sup> International Congress of Protistology**. Prague, Czech Republic.
- 32- Jimenez V., Probert I., Lopes dos Santos A., Gourvil P., Tragin M., Marie D., Not F. and Vaultot D. **2017**. Response of under-ice phytoplankton populations to light exposure during the Arctic spring bloom. **15<sup>th</sup> International Congress of Protistology**. Prague, Czech Republic.
- 31- Metz S., Lopes dos Santos A., Castro M., Bigeard E., Zagarese H., Not F., Lara E. & Unrein F. **2017**. Diversity of photosynthetic picoeukaryotes from eutrophic shallow lakes. **18<sup>th</sup> meeting of the international association of phytoplankton taxonomy and ecology**, Natal, Brazil
- 30- Meng, A., Bittner, L., Corre, E., Not, F., Le Crom, S. **2016**. De novo transcriptome assembly dedicated pipeline and its specific application to non-model marine planktonic organisms. **15<sup>th</sup> European Conference on Computational Biology (ECCB16)**. The Hague, Netherlands.



- 29-** Le Hérisse A., Guidat, C., Not, F., Vecoli, M., Breuer, P., Wellman, C., Steemans, P. **2016**. Occurrence and significance of minute palynomorphs of marine and non-marine origin in the Middle Ordovician from Saudi Arabia. **XIV International Palynological Congress and X International Organization of Paleobotany Conference**. Salvador, Brazil.
- 28-** Pillet, L., Gutierrez-Rodriguez, A., Guitton, Y., Mehiri, M., Bigeard, E., Biard, T., Cahier, K., Gaillard, F., Eveillard, D., Not, F. **2015**. Insights into the metabolomics of plankton symbiosis. **Jacques Monod Conference “Marine eco-systems biology”**, Roscoff France.
- 27-** Gutiérrez-Rodríguez A., Richter D., Pillet L., Biard T., Budinich, M., Eveillard, D., Bucciarelli, E., Simó R., Not F. **2015**. A physio-molecular integrative approach to assess global patterns of microalgal and photosymbiotic oxidative stress in marine environment. **Jacques Monod Conference “Marine eco-systems biology”**, Roscoff France.
- 26-** Gutierrez-Rodriguez, A., Pillet, L., Biard, T., Said-Ahmad, W., Amrani, A., Simo, R., Not, F. **2015**. Concentration and S-isotopic composition of dimethyl sulfur compounds in symbiotic radiolaria: a potentially important unaccounted source for marine DMS. **8<sup>th</sup> International Symbiosis Society Meeting**. Lisbon, Portugal.
- 25-** Probert, I., Siano, R., Decelle, J., Biard, T., Not, F. **2015**. Photosynthetic symbionts of planktonic Radiolaria. **8<sup>th</sup> International Symbiosis Society Meeting**. Lisbon, Portugal.
- 24-** Pillet, L., Gutierrez-Rodriguez, A., Guitton, Y., Mehiri, M., Bigeard, E., Biard, T., Cahier, K., Gaillard, F., Eveillard, D., Not, F. **2015**. Insights into the metabolomics of plankton symbiosis. **8<sup>th</sup> International Symbiosis Society Meeting**. Lisbon, Portugal.
- 23-** Gutierrez-Rodriguez, A., Pillet, L., Simo, R., Not, F. **2014**. The role of dimethyl sulfur compounds as antioxidant in planktonic photosymbiosis. **6<sup>th</sup> DMSP symposium**, Barcelona, Spain.
- 22-** Biard, T., Poirier, C., Decelle, J., Not, F. **2013**. Molecular diversity of Collodaria (Radiolaria) gives insight on their life cycle. **Environmental genomic workshop**, Rennes, France.
- 21-** Bittner, L., Not, F., Audic, S., de Vargas, C., Poulain, J., Wincker, P., and Stoeck, T. **2012**. Exhaustive biogeographical survey of Cryptophytes diversity in 20 open-oceans ecosystems using illumina sequencing. **14<sup>th</sup> International Symposium on Microbial Ecology (ISME)**, Copenhagen, Denmark.
- 20-** Decelle, J., Probert, I., Bittner, L., Desdevises, Y., Colin, S., de Vargas, C., Gali, M., Simo, R., and Not, F. **2012**. An original mode of symbiosis in open ocean plankton. **7<sup>th</sup> International Symbiosis Society congress**, Cracow, Poland.
- 19-** Balzano, S., Corre, E., Decelle, J., Sierra, R., Pawlowski, J., da Silva, C., Wincker, P., and Not, F. **2012**. Transcriptome analyses to investigate relationships between Rhizaria and their eukaryotic symbionts. **7<sup>th</sup> International Symbiosis Society congress**, Cracow, Poland.
- 18-** Martin, P., R. Lampitt, R. Sanders, D. Johns, J. Decelle, F. Not. **2011**. Acantharia: Strontium-precipitating protists in ocean particle flux. **SAHFOS council**. Plymouth, UK.
- 17-** Gobet, A., Audic, S., Bittner, L., Boutte, C., Jaillon, O., Not, F., Romac, S., Wincker, P., de Vargas, C. **2011**. Disentangling Marine Protistan Activity from its Apparent Diversity. **Jacques Monod Conference**, Roscoff, France.
- 16-** Morard, R., Audic, S., Santini, S., Poulain, J., Le Bescot, N., Mahé, F., Romac, S., Not, F., Ujjié, Y., Wincker, P., de Vargas, C., **2011**. Reaching the boundaries of global planktonic foraminiferal biodiversity using Next Generation Sequencing. **SCORE Worging Group**, Amsterdam, The Netherlands.
- 15-** Decelle, J., N. Suzuki, F. Mahé, C. de Vargas, and F. Not. **2011**. Molecular Phylogeny and evolutionary history of planktonic Acantharia (Radiolaria). **BioSystematics**. Berlin, Germany (prix du meilleur poster).
- 14-** Not F. **2010**. BioMarks: Protist diversity in European coastal waters and sediments. **18th Meeting of the International Society for Evolutionary Protistology (ISEP XVIII)**, Kanazawa, Japan.
- 13-** Not, F., Balagué, V., del Campo, J., de Vargas, C., Massana, R., **2009**. New insights into marine protists diversity. **ASLO Aquatic Sciences Meeting 2009**, Nice, France.
- 12-** de Vargas, C., Not, F., Probert, I., Simon, N., Guillou, L., Vaultot, D., Massana, R., Montresor, M., Kooistra, W., Zingone, A., Keeling, P., Leander, B., Stoeck, T., Pawlowski, J., Bowler, C., Richards, T.,

Bass, D., Edvardsen, B., Shalchian-Tabrizi, K., Dolan, J., Christen, R., Claverie, J., Ogata, H., Wincker, P., Weissenbach, J., Karsenti, E., **2009**. BioMarKs and POSEIDON (2009-2012) - Filling the marine protist biodiversity gap. **ASLO Aquatic Sciences Meeting 2009**, Nice, France.

**11-** del Campo, J., F. Not, I. Forn, R. Massana. **2008** Isolation and culture of ecologically relevant heterotrophic marine nanoprotoists. **Gordon Research Conference**, Il Ciocco, Italy.

**10-** Latassa, M., F. Not, Scharek, R. D. Vaultot, R. Massana. **2007**. Diversity of picoeukaryotic phytoplankton across the Indian Ocean. **IV European Phycological Congress**. Oviedo, Spain.

**9-** Not F., M. Zapata, Y. Pazos, E. Campaña, M. Doval, and F. Rodríguez. **2007**. Molecular and pigment analyses of size fractionated phytoplankton in the Ria of Pontevedra (NW Spain). **International symposium in Marine Science (Spanish GLOBEC-IMBER symposium)**, Valencia, Spain.

**8-** Not F., M. Viprey, D. Vaultot, A.Z. Worden, S.Y. Moon-van der Staay, and R. Massana. **2006**. Diversity of "Radiolarian" sequences in the pico size fraction. **Gordon Research Conference series: Marine Microbes**. University of New England, Biddeford, ME, USA.

**7-** Not F., J.F. Heidelberg, R. Gausling, and A.Z. Worden. **2006**. Vertical Distribution of Picoeukaryotic Diversity in the Open Ocean. **Ocean Science Meeting (ASLO, AGU and TOS)**, Hawaii, USA.

**6-** Foulon E., A. Houdan, F. Not, F. Le Gall, and N. Simon. **2006**. *Micromonas pusilla* (Chlorophyta, Prasinophyceae): a complex of cryptic species with specialized ecological niches? **Unravelling the algae - the past, present and future of algal molecular systematics**. The Natural History Museum, Cromwell Road, London.

**5-** Scharek, R., M. Latasa, R. Massana, F. Not, and C. Pedros-Alió. **2005**. Dynamics of micro-, nano-, and picophytoplankton at a coastal site in the NW Mediterranean. **ASLO Summer Meeting**, Santiago de Compostela, Spain.

**4-** Not F., M. Latassa, R. Massana, D. Vaultot, and N. Simon. **2004**. Distribution of picoeukaryotic taxa in various oceanic regions. **Gordon Research Conference: Marine microbes**. Roscoff, France (prix du meilleur poster).

**3-** Vaultot D., K. Romari, F. Not, and F. Le Gall. **2002**. Seasonal variation of eukaryotic picoplankton at a coastal site probed by molecular approaches. **7<sup>th</sup> Symposium on Bacterial Genetics and Ecology (BAGECO-7)**. Bergen, Norway.

**2-** Not F., Simon N., Biegala I.C. and Vaultot D. **2001**. Application of Fluorescent *In Situ* Hybridisation coupled with Tyramide Signal Amplification (FISH-TSA) to assess eukaryotic picoplankton composition. **7<sup>th</sup> International Phycological Society Congress**, Thessalonik, Greece.

**1-** Vaultot D., K. Romari, K. Valentin, F. Not, N. Simon, I.C. Biegala, F. Le Gall, L.K. Medlin, and W. Eikrem. **2001**. Diversity of eukaryotic picoplankton in coastal waters. **55<sup>ème</sup> Meeting annuel de la Société de Phycologie des USA (PSA)** Estes Park, Colorado, USA.

#### **Participations at seminars and workshops**

**16-** Not F., **2017**. The Station Biologique de Roscoff Coastal Observatory. **Workshop, High throughput methods for application in marine biodiversity time series: Addressing their challenges to fulfil their promises**. Schloss Herrenhausen, Hannover. Invited talk.

**15-** Not F., **2017**. Naturalisme et exploration pour nourrir les questions d'écologie fondamentale. **CNRS INEE prospective**, Bordeaux, France. Invited talk.

**14-** Not F., **2017**, Exploration of photosymbiosis in marine plankton. **Mediterranean Institute of Oceanography seminar series**, Marseille, France. Invited talk.

**13-** Not F., **2017**, Exploration of photosymbiotic relationships in marine plankton. **Institut de Biologie Physico-Chimique seminar series**, Paris, France. Invited talk.

**12-** Not, F., **2016**. L'océanographie biologique à l'ère des -omics: Rêve ou réalité ? **Journées scientifiques LEFE/GMMC 2016**. Toulon, France. Invited talk.

**11-** Not, F., **2016**. Exploration of symbiotic relationships in marine plankton. **Workshop Ecologie des interactions Micro-organismes/hôtes**. Montpellier, France. Invited talk.

**10-** Not, F. **2016**. Approches métabolomiques pour l'étude des symbioses planctoniques. **Ecole thématique écologie chimique**. Roscoff, France (*orateur, membre du comité d'organisation*).

- 9- Not, F. **2016.** Impact of environmental change on planktonic photosymbiosis. **Plankdiv Workshop Impact of climate change on the distribution of plankton functional and phylogenetic diversity**, Villefranche sur Mer, France. Invited talk.
- 8- Not, F. **2015.** The metabolomics of plankton photosymbiosis. **Chemical ecology of marine interactions – EuroMarine Foresight Workshop**. Colchester, UK. Invited talk.
- 7- Not, F. **2014.** Microalgal symbiosis in the plankton. **Cycle de conférence de la station biologique de Roscoff**. Roscoff, France.
- 6- Not, F. **2013.** Planktonic symbiosis. **The Leverhume Mixotroph Horn Point Workshop**. Horn Point lab, USA. Invited talk.
- 5- Not, F. **2011.** Symbiosis in the Oceans. **ANR-ARP workshop on Environmental changes and the evolution of marine ecosystems**. Naples, Italy. Invited talk.
- 4- Not, F., Siano, R., Decelle, J., Probert I., de Vargas, C. **2009.** Diversity of symbionts in Radiolaria and Foraminifera. **Radiolarian Biology and PaleoOceanography Workshop**. Fukuoka, Japan. Invited talk.
- 3- Not, F., del Campo, J. Balagué, V., de Vargas, C., Massana, R. **2009.** New Insight into the diversity of picoeukaryotes. **Workshop on Molecular Systematics of Amoebozoa and Rhizaria** Geneva, Switzerland. Invited talk.
- Frada M., F. Not, I. Probert, and C. de Vargas. **2005.** COD-FISH : an new method to study the double life of pelagic calcifiers. **Workshop on the Impacts of Increasing Atmospheric CO<sub>2</sub> on Coral Reefs and Other Marine Calcifiers**. USGS Center for Coastal and Watershed Studies. St. Petersburg, Florida.
- 1- Not, F. **2003.** "Using FISH to unveil picoplankton diversity and ecology" **Institut of Marine and Coastal Science seminar series**, Rutgers University, USA. Invited talk.

#### ***Book publication and edition***

- 4- Ohtuska, S., Suzaki, T., Horiguchi, T., Suzuki, N., Not, F. Editors **2015** "Marine protists: diversity and dynamics", Springer.
- 3- Not, F. **2014.** "Encyclopédie illustrée du plankton". Coordination for the French edition of the Japanese book "Zukan Plankton".
- 2- David, B., Ozouf-Costaz, C., Trousselier, M.,....., Not, F.,....., et al. **2014.** Mondes marins : Voyage insolite au cœur des océans. INEE CNRS-Le cherche midi éditions.
- 1- Prévot-Julliard, A-C., V. Maris, K. Alain, Y. Aumeeruddy-Thomas, V. Devictor, A. Langlais, F. Not, S. Puijalon, B. Pujol, et al. **2010.** BiodiversitéS – Nouveaux regards sur le vivant. INEE CNRS-Le cherche midi éditions.

#### ***Participations to book chapter***

- 5- Stern R., Taylor C., Not, F., Decelle J., **2017.** ProtoZooPlankton: radiolaria. In **Marine Plankton: A Practical Guide to Ecology, Methodology, and Taxonomy**, 189
- 4- Not, F., Probert, I., Ribeiro-Gerikas, C., Crenn, K., Guillou, L., Jeanthon, C., Vaulot, D. **2016.** Photosymbiosis in marine pelagic environments. In **The Marine Microbiome**. Springer ed.
- 3- Suzuki, N. and Not, F. **2015.** Radiolaria. Chapter IX in **Marine protists: diversity and dynamics**. Springer ed. [doi.org/10.1007/978-4-431-55130-0](https://doi.org/10.1007/978-4-431-55130-0)
- 2- Not, F., Siano, R., Kooistra, W. H. C. F., Simon, N., Vaulot, D., & Probert, I. **2012.** Diversity and Ecology of Eukaryotic Marine Phytoplankton. In G. Piganeau (Ed.), **Genomic Insights into the Biology of Algae** pp. 1–53. Elsevier Ltd: Academic Press. [doi.org/10.1016/B978-0-12-391499-6.00001-3](https://doi.org/10.1016/B978-0-12-391499-6.00001-3)
- 1- Worden, A.Z. and F. Not **2008.** Ecology and diversity of picoeukaryotes. Chapter VI in **Microbial Ecology of the Ocean 2<sup>nd</sup> Edition**. D. Kirchman (Ed.) pp 159-205