

Liste des publications :

- R Vicedomini, JP Bouly, E Laine, A Falciatore, A Carbone. (2022). Multiple profile models extract features from protein sequence data and resolve functional diversity of very different protein families. *Mol Biol Evol.* (IF 16.24).
- Falciatore A, Bailleul B, Boulouis A, Bouly JP, Bujaldon S, Cheminant-Navarro S, Choquet Y, de Vitry C, Eberhard S, Jaubert M, Kuras R, Lafontaine I, Landier S, Selles J, Vallon O, Wostrickoff K. Light-driven processes: key players of the functional biodiversity in microalgae. *C R Biol.* 2022 Dec 8;345(2):15-38.
- Giovagnetti V, Jaubert M, Shukla MK, Ungerer P, Bouly JP, Falciatore A, Ruban AV. (2021). Biochemical and molecular properties of LHCX1, the essential regulator of dynamic photoprotection in diatoms. *Plant Physiol.* 188(1):509-525 (IF 8.3).
- Denko D et al. (2021). A global metagenomic map of urban microbiomes and antimicrobial resistance. *Cell.* S0092-8674(21)00585-7. (IF 38).
- Falciatore A, Jaubert M, Bouly JP, Bailleul B, Mock T. (2020). Diatom Molecular Research Comes of Age: Model Species for Studying Phytoplankton Biology and Diversity. *Plant Cell.* 32(3):547-572. (IF 9.7).
- Annunziata R, Ritter A, Fortunato AE, Manzotti A, Cheminant-Navarro S, Agier N, Huysman JJ, Winge P, Bones AM, Bouget FY, Cosentino Lagomarsino M, Bouly JP, Falciatore A. (2019). bHLH-PAS protein RITMO1 regulates diel biological rhythms in the marine diatom *Phaeodactylum tricornutum* *Proc Natl Acad Sci U S A.*116(26):13137-13142. (IF 9.4).
- Taddei L, Chukhutsina VU, Lepetit B, Stella GR, Bassi R, van Amerongen H, Bouly JP, Jaubert M, Finazzi G, Falciatore A (2018). Dynamic Changes between Two LHCX-Related Energy Quenching Sites Control Diatom Photoacclimation. *Plant Physiol.* 177(3):953-965. (IF 5.9).
- Jaubert M, Bouly J.P, Ribera d'Alcalà M, Falciatore A (2017). Light sensing and responses in marine microalgae. *Curr Opin Plant Biol.* 37 :70-77. (IF 7.35).
- Fortunato AE, Jaubert M, Enomoto G, Bouly J.P, Raniello R, Thaler M, Malviya S, Bernardes JS, Rappaport F, Gentili B, Huysman MJJ, Carbone A, Bowler C, d'Alcalà M Ribera, Ikeuchi M, Falciatore A. (2016) Diatom Phytochromes Reveal the Existence of Far-Red-Light-Based Sensing in the Ocean. *The Plant Cell* 28(3), pp.616 – 628. (IF 10.2).
- Gherardi M, Amato A, Bouly J.P, Cheminant Navarro S, Ferrante M Immacolata, d'Alcalá M Ribera, Ludicone D, Falciatore A, Cosentino Lagomarsino M. (2016) Regulation of chain length in two diatoms as a growth-fragmentation process. *Phys. Rev. E* 94, pp.022418. (IF 2.05).
- Taddei L, Stella G Rocco, Rogato A, Bailleul B, Fortunato AE, Annunziata R, Sanges R, Thaler M, Lepetit B, Lavaud J, Jaubert M, Finazzi G, Bouly J-P, Falciatore A. (2016) Multi-signal control of expression of the LHCX protein family in marine diatom *Phaeodactylum tricornutum* *Journal Experimental Botany* 67(13), pp.3939-51 (IF 5.6).
- Tang Q, Guittard-Crilat E, Maldiney R, Habricot Y, Miginiac E, Bouly JP*, Lebreton S (2016). The mitogen-activated protein kinase phosphatase PHS1 regulates flowering in *Arabidopsis thaliana*. *Planta*;243(4):909-23 * co-last author (IF 3.3).
- Fortunato A.E., Annunziata R., Jaubert M., Bouly J.P., Falciatore A. (2015) Dealing with light: The widespread and multitasking cryptochrome/photolyase family in photosynthetic organisms. *J Plant Physiol.* ;172C :42-54 (IF 2.6).
- Müller P., Bouly J.P. (2014) Searching for the mechanism of signalling by plant photoreceptor cryptochrome. *FEBS Lett.* (IF 4.2).
- Müller P., Bouly J.P., Hitomi K., Balland V., Getzoff E.D., Ritz T., Brettel K. (2014) ATP binding turns plant cryptochrome into an efficient natural photoswitch. *Sci Rep.* 4:5175. (IF 5.3)
- Burney S., Wenzel R., Kottke T., Roussel T., Hoang N., Bouly J.P., Bittl R., Heberle J., Ahmad M. (2012) Single Amino Acid Substitution Reveals Latent Photolyase Activity in *Arabidopsis cry1*. *Angew Chem Int.* 51(37):9356-9360. (IF 11.7).

- Jossier M., Bouly J.P., Meimoun P., Arjmand A., Lessard P., Hawkins S., Grahame Hardie D., Thomas M. (2009) SnRK1 (SNF1-Related Kinase 1) has a central role in sugar and ABA signalling in Arabidopsis thaliana. *Plant Journal*. 59(2) :316-328. (IF 5.9).
- Burney S., Hoang N., Caruso M., Dudkin E.A., Ahmad M., Bouly J.P. (2009) Conformational change induced by ATP binding correlates with enhanced biological function of Arabidopsis cryptochrome. *FEBS Lett*. 583(9) :1427-1433. (IF 4.2).
- Hoang N., Schleicher E., Kacprzak S., Bouly J.P., Picot M., Wu W., Berndt A., Wolf E., Bittl R., Ahmad, M. (2008) Human and drosophila cryptochromes are light activated by flavin photoreduction in living cells. *PLoS biology*. 6(7) : e160. (IF 8.6).
- Hoang N., Bouly J.P., Ahmad M. (2008) Evidence of a light-sensing role for folate in Arabidopsis cryptochrome blue-light receptors. *Molecular Plant* 1(1) : 68-74. (IF 7.1).
- Bouly J.P., Schleicher E, Dionisio-Sese M, Vandebussche F, Van Der Straeten D, Bakrim N, Meier S, Batschauer A, Galland P, Bittl R, Ahmad M. (2007). Cryptochrome blue light photoreceptors are activated through interconversion of flavin redox states. *J. Biol. Chem*. 282(13) : 9383-9391. (IF 4.3).
- Gissot L., Polge C., Jossier M., Girin T., Bouly J.P., Kreis M., Thomas M. (2006). AKIN β γ Contributes to SnRK1 Heterotrimeric Complexes and Interacts with Two Proteins Implicated in Plant Pathogen Resistance Through Its KIS/GBD. *Plant Physiol*. 42(3) : 931-944. (IF 6.84).
- Canamero R.C., Bakrim N., Bouly J.P., Garay A., Dudkin E.E., Habricot Y., Ahmad M. (2006). Cryptochrome photoreceptors cry1 and cry2 antagonistically regulate primary root elongation in Arabidopsis thaliana. *Planta*. 224(5): 995-1003. (IF 3.3).
- Zeugner A., Byrdin M., Bouly J.P., Bakrim N., Giovani B., Brettel K., Ahmad M. (2005). Light-induced electron transfer in Arabidopsis cryptochrome-1 correlates with in-vivo function. *J. Biol. Chem*. 280(20) : 19437-19440. (IF 4.3).
- Gissot L., Polge C., Bouly J.P., Lemaitre T., Kreis M., Thomas M. (2004). AKIN β 3, a plant specific SnRK1 protein, is lacking domains present in yeast and mammals non-catalytic β -subunits. *Plant Mol Biol*. 56(5) : 747-759. (IF 2.86).
- Bouly J.P., Giovani B., Djamei A., Mueller M., Zeugner A., Dudkin E.A., Batschauer A., Ahmad M. (2003). Novel ATP-binding and autophosphorylation activity associated with Arabidopsis and human cryptochrome-1. *Eur. J. Biochem*. 270 (14) : 2921-2928 (IF 4.2).
- Bouly J.P., Gissot L., Lessard P., Kreis M., Thomas M. (1999). Characterization of Arabidopsis thaliana homologues to yeast SIP and SNF4 proteins interacting with AKIN β 1, a SNF1-like protein kinase. *Plant Journal*. 18 : 541-550. (IF 5.9).
- Lessard P., Bouly J.P., Jouannic S., Petit-Jean X., Kreis M., Thomas M. (1999). Identification of cdc2cAt: a new cyclin dependent kinase expressed in Arabidopsis thaliana flowers. *Biochimica Biophysica Acta*. 1445 : 351-358. (IF 5.34).
- Segalat L., Perichon R., Bouly J.P., Lepesant J.A. (1992). The Drosophila melanogaster pourquoi pas? wings down zinc finger protein: oocyte-nucleus localization and embryonic requirement. *Genes and Development*. 6 : 1019-1029. (IF 10.42).

Publications dans des ouvrages collectifs :

- Halford NG, Bouly J.P., Thomas M. (2000). SNF1-related protein kinases (SnRKs)—regulators at the heart of the control of carbon metabolism and partitioning. *Advances in Botanical Research Incorporating Advances in Plant Pathology* 32: 405–434. (IF: 1.23).
- M Jaubert, C Duchêne, PG Kroth, A Rogato, JP Bouly, A Falciatore. Sensing and signalling in diatom responses to abiotic cues. *The Molecular Life of Diatoms*, 607-639

Publications dans des actes de congrès :

- Bouly J.P., Giovani B., Ahmad M. (2005). Early events triggered by light activation of the Arabidopsis CRY1 blue light photoreceptor. *Light sensing in Plants. The botanical society of Japon*. Ed. Springer. 14: 131-135