

CURRICULUM VITAE

Name: **Angela FALCIATORE**

Title: PhD

Place of birth: Naples, Italy

Date of birth: 14 September 1971

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Education and qualifications

- 2013** Habilitation à Diriger des Recherches (HDR), Université Pierre et Marie Curie (FR). “Studies of the molecular mechanisms controlling diatom responses to light: a tale of energy and colours”.
- 2002** PhD in Cellular and Molecular Biology and Pathology, Univ. of Naples Federico II (IT). Thesis advisor: Dr C. Bowler (SZN, IT). Title of the thesis: “Molecular studies of environmental signal perception and transduction in marine diatoms”.
- 1995** Degree (Master) with honors in Biological Sciences, Univ. of Naples Federico II (IT). Thesis advisor: Prof M. De Felice. Title of the thesis: “Molecular analysis of osmotic stress response in *Streptococcus thermophiles*”.

Synopsis of research activity

- 2019-present** *Institute of Physico-Chemical Biology, UMR7141 CNRS - SU, Paris, France.*
Research Director (DR1), Centre national de la recherche scientifique CNRS- France.
Director of the Department “Chloroplast Biology and Light Sensing in Microalgae”, UMR7141 CNRS - Sorbonne University.
- 2009-2018***: *Sorbonne University, UMR 7238 CNRS-SU Paris, France.*
Researcher (CR1) CNRS and since 2016 Research Director (DR2) CNRS, Group Leader of the “Diatom Functional Genomics Team” at the Laboratory of Computational and Quantitative Biology (LCQB).
**Maternity leave - from 30/03/2013 to 19/07/2013*
- 2008-9** *Stazione Zoologica A. Dohrn of Naples, Italy.*
Group Leader, Diatom Light Sensing team. Laboratory of Ecology and Evolution of Plankton.
- 2005-8** *Stazione Zoologica A. Dohrn of Naples, Italy.*
Three-year Research Scientist (tenure-track), Cell Signaling Laboratory.
- 2006-7** *University of Naples Federico II, Naples Italy.*
Appointed Professor of Microbiology, two years.
- 2005** *Stazione Zoologica A. Dohrn of Naples, Italy.*
Post-doctoral research, HFSP-Long Term Fellowship, Stazione Zoologica A. Dohrn of Naples, Italy.
- 2002-5** *University of Geneva, Dep. of Molecular Biology, Switzerland.*
Post-doctoral research with Prof. Jean-David Rochaix, EMBO-Long Term Fellowship, then HFSP Long Term Fellowship.
- 2003** *Carnegie Institution of Washington, Stanford University, USA.*
Visiting scientist, Laboratory of Dr Arthur Grossman, two months.
- 1996-2001** *Stazione Zoologica A. Dohrn of Naples, Italy.*
PhD training, Laboratory of Plant Molecular Biology with Dr Chris Bowler.
- 1997** *National Institute for Basic Biology, Okazaki, Japan.*
Visiting scientist, Laboratory of Prof M. Watanabe, two months.
- 1993-5** *University of Naples Federico II, Naples Italy.*
Master and post-graduate training, Microbiology Laboratory of Prof M. De Felice.

Distinction and Prizes

2021: “*Prix des Sciences de la Mer*” Académie des Sciences, l'Institut de France/Marine Science Award, French Academy of Sciences

2019: Prize “*Laureata Illustrata*” University Federico II of Naples, Italy.

2018: Prize “*Coups d'élan pour la recherche française*” - Fondation Bettencourt Schueller.

2013: "ATIP-Avenir Plus" label to the Diatom Functional Genomics Team.

2009: ATIP-AVENIR Award (Action Thématique et Incitative sur Programme).

2006: Career Development Award, Human Frontier Science Program organization (HFSP).

2002: Long-term Fellowship, Human Frontier Science Program organization (HFSP).

2002: Long-term Fellowship, European Molecular Biology Organization (EMBO).

Training and Teaching activities:

Since 2019, I am the research director of a department including 20 permanent members and an equivalent number of non-permanent (students, PhDs, post-docs, visiting scientists) <http://www.ibpc.fr/UMR7141/en/home>. I have so far directly supervised the activities of 9 PhD (8 former, 1 current) and 10 Post doc (9 former, 1 current).

Since 2010, member of the examination juries for 30 PhD and 5 HDR; member of 15 PhD advisory committees in France and abroad.

I dedicate as much time as possible to teaching, such as specific aspects of Photobiology, Marine Biology and Marine Genomics in master courses and in advanced teaching programs for Master and PhD students and Post-docs in France and abroad (20-50 hours/year).

Synergistic and Dissemination Activities

- Since 2010: 33 oral communications as invited speaker in international meetings and workshops; 55 seminars in meetings and workshops (selected talks) and research institutes (on invitation).

Meeting Organization:

- Co-organizer with Catherin Boyen of the « Algal Symposium » at the EFOR (Network's Model Organisms)-meeting (Network's Model Organisms), May 10-11, 2021.
- Co-organizer of the Journées de la Société Française de Photobiologie, Novembre 27-29, 2019, Paris, France.
- Co-organizer of the Symposium “Omics and Genetic tools for algal model organisms”, 7th European Phycological Congress (EPC 7), August 25-30 2019, Zagreb, Croatia.
- Co-organizer of the EMBO workshop “The molecular life of diatoms”, July 14-18, 2019, Norwich, UK.
- Organizer/Discussion Leader of the “Microbial Sensing, Cell Signaling and Infochemicals” session at the Gordon Research Conference on Marine Microbes “Elucidating Microbial Processes Across Spatial and Temporal Scales”, July 1 - 6, 2018, Lucca, Italy.
- Co-organizer of the Algae workshop at the 8th annual meeting of the EFOR network (Network's Model Organisms), May 2nd and 3rd 2017, Paris.
- Co-organizer of the Symposium “Genetic engineering in algae: novel molecular tools and novel model species”, 6th European Phycological Congress (EPC 6), 23-29 August 2015, London UK.
- Organizer of the Mid-Term Review Meeting of the European MC-ITN ‘Calcium and Light Signalling’, July 15 – 18, 2015, Paris, France.
- Co-organizer of the international “The molecular life of diatoms” Conference, 7-10 July 2015, Seattle (USA).
- Organizer of the EMBO workshop “The molecular life of diatoms”, 25 – 28 June 2013, Paris, France.
- 2011-2015: Co-organizer of the 1st, 2nd, 3rd, 4th and 5th “Cross-Disciplinary Genomics” Symposium, Paris, France.

- Co-organizer of the “Algal genomics Symposium”, 5th European Phycological Congress, Rhodes Island, Greece, October, 4-9, 2011.
- Co-organizer of the EMBO workshop “Evo-Devo meets marine ecology: New frontiers in ocean science through integrative biology”, Ischia, Italy, September 7-9, 2009

Additional Outreach activities:

- Newsletter Fondation Bettencourt Schueller “La biologie marine, en première ligne pour sauver les océans”, 16 Mai 2022 (<https://www.fondationbs.org/fr/actualites/les-grands-enjeux-de-la-biologie-marine>).
- Reportage for the radio programme “La méthode scientifique”, France Culture, 21 February 2022. (<https://www.radiofrance.fr/franceculture/podcasts/la-methode-scientifique/la-vague-a-l-algue-6449674>).
- Presentation of the Dark Edge Expedition, Arctic Ocean for Primary school students, Ecole Sibelle, Paris, 24 June 2022.
- Seminar and discussion with secondary school students, Collège George Sand, Paris, Journée internationale des femmes et des filles dans les sciences (UNESCO et ONU-Femmes), 11 February 2022.
- Invited seminar in the framework of the EMBRC network- “EMBRC” Talks series “, March 12, 2021 « Ressources de génomique fonctionnelle pour l'étude *des micro-algues à l'Institut de Biologie Physico-Chimique in Paris*”.
- Video pour le Prix Bettencourt *Coups d'élan pour la recherche française*, https://www.youtube.com/watch?v=AHnjLguZryY&feature=emb_title, 2018.
- Lecture « *De la lumière à la vie* », for high school students, during “*journées portes ouvertes IBPC*” for the 80th anniversary of the creation of the CNRS » 12-13/4/2019 IBPC Paris.
- Lecture: “*Career in phycology: an ocean of challenges and opportunities*”, Student Symposium at the Sixth European Phycological Congresses, London, August 23-29 2015.
- Lecture: “*Le monde merveilleux du plancton*”, *Fête de la Science*, October 2015, Paris. In the same event, seminars were also given by the 3 PhD students of my team.
- “Beyond the lab» series, magazine of The Betty and Gordon Moore Foundation” <https://www.moore.org/article-detail?newsUrlName=beyond-the-lab-angela-falciatore-ph.d>, 2017.
- Falciatore A. “New Frontiers in marine biology” in “20 Years in Pursuit of Excellence”, HFSP 20th Anniversary Book, 2009.

Editorial and reviewing activities

Editorial activity: Member of editorial board of the journals “Marine Genomics” (Elsevier) (since 2014), “Perspectives in Phycology” (since 2015-2020) and “The Plant Cell” (Guest Editor, since 2016).

Reviewer for the international grant agencies: ANR, France; Human Frontier Science Program (HFSP) organization (post-doctoral Long-Term Fellowships and Career Development Awards); the Wellcome Trust of London (Research Career Development Fellowship program); the Royal Society; FWO- Research Foundation Flanders (post-doctoral Long-Term Fellowships and research grant); the Weizmann Institute of Science; European Science Foundation, DFG German Research Foundation, the Helmholtz Association of German Research Center.

Reviewer for the international journals: Nature, Science, Science Advances, Nature Plants, PNAS, The Plant Cell, Current Biology, The Plant Journal, Plant Physiology, Journal of Phycology, Marine Biotechnology, Plant Molecular Biology, PloS One, PloS Biol, Biochimica et Biophysica Acta, Journal of Experimental Botany, Marine Genomics.

Member of scientific and administrative institutions/evaluation panels

Research Administration and Institutional responsibilities

- Research Director of the CNRS research unit "Chloroplast Biology and Light-sensing in Microalgae- UMR7141 CNRS SU- Institut de Biologie Physico-Chimique in Paris IBPC (2019-current).
- Member Scientific Council *Faculté de Biologie UFR 927*, Sorbonne Université (2019-present).
- Directory member, LABEX DYNAMO (2019-present).
- Board member of the «Groupement De Recherche (GdR3422) Organismes Photosynthétiques (2016-2020).
- Board member (Conseil d'administration) Société Française de Photobiologie" (2018-present).
- Member of the "Société Française de Photosynthèse".
- Member of the German Research Group "Light driven reactions in unicellular model algae" (DFG code:FOR 1261) financed by Deutsche Forschungsgemeinschaft (German Research Foundation) (2014-2017).
- "Correspondant Europe-international" INSB for the UMR7238 (2012-2018).

SAB and evaluation committees

- Since 2022: Member of the Scientific Advisory Board, Qingdao Institute of ZKTP, China
- Expert HCERES - evaluation committee member of the laboratory "PHYTOX", UPR IFREMER, May, 4-5, 2021.
- 2021: Member of the Scientific Advisory Board, Biosciences and Biotechnology Institute of Aix-Marseille (BIAM), February 4-5, 2021.
- 2020: Member of the review panel for the German Research Foundation (DFG) of The Collaborative Research Centre CRC/Transregion 175 "The Green Hub" project. February 18-19, 2020, Kaiserslautern/Germany.
- 2018: Member of the Scientific Advisory Board, Laboratoire Physiologie Cellulaire & Végétale, UMR 5168 CEA/CNRS/UNIVERSITÉ GRENOBLE ALPES – UMR 1417 INRA.
- 2018-2022: Member of the Scientific Advisory Board (SAB) Project of Excellence, Department of Biology University of Padova, Italy;
- 2015 expert HCERES - Member of the evaluation committee of the laboratory « GLYCO-MEV - Glycobiologie et Matrice Extracellulaire Végétale », 1-2 December 2015, Rouen, Paris.

Recruitment panels

- 2020 Member of a recruitment committee for 3 CEA researchers for the Biosciences and Biotechnology Institute of Aix-Marseille (BIAM).
- 2016 Member of a recruitment committee of an Assistant Professor, MCF, École Normale Supérieure, Paris.
- 2015 member of a recruitment committee for two Engineers - Ingénieur d'Etudes at the University Pierre et Marie Curie, Paris, France.
- 2014 member of a recruitment committee for two Engineers –(Ingénieur d'Etudes) at the University Pierre et Marie Curie, Paris, France.

Research Grants

Aquired funding

- Partner of the "BlueRemediomics" European Project, Dr. Rober Fin (EMBL) and Chris Bowler (IBENS, FR) coordinator, 2022-2026. EU 164,352.72
- Partner of the Community Science Program "100 Diatom Genomes Project", Prof. Thomas Mock, University of East Anglia (UK) coordinator, funded by the JGI-USA in 2020.
- ANR "ClimaClock - Photoperiodism in ubiquitous model microalgae of marine phytoplankton: molecular mechanisms and sensitivity to ocean temperature increase (2021-2025), Partner of a French project with 3 partners, Dr. F-Y Bouget coordinator, EU 598 000.
- ANR-DFG "DiaRhythm - Molecular analysis of the light-dependent rhythmic regulation in a marine diatom"- French Coordinator of a French-German project with Prof. P. Kroth (Konstanz) 2021-2024, EU 461 000.
- American Gordon and Betty Moore Foundation Project "DiatomBase" Grant Agreement #8752, co-coordinator with C. Bowler (2020-2022), US \$ 219 950.
- ANR "BrownCut", Participant in a consortium coordinated by C. Bowler, 2020-2024, EU 249 480.
- Senior Chair LABEX Dynamo, EU 280 000 (2018). Individual grant.

- Award “Coups d’élan pour la recherche française”- Fondation Bettencourt Schueller (2019), EU 250 000. Individual grant.
 - EU Association of European Marine Biological Research Laboratories Expanded “Assemble Plus” project, 2017-2021, EU 50 000. Participant in a network including 32 marine stations and institutes.
 - American Gordon and Betty Moore Foundation Project. “Increasing the Potential of Marine Microeukaryotes as Experimental Model Systems through the Development of Genetic Tools”, 2015-2017. Coordinator of an international project with 6 partners: USD 800 000.
 - EU Funded EMBRIC Project, European Marine Biological Research Infrastructure Cluster to promote the Blue Bioeconomy. Coordinator, Prof. Bernard Kloareg. 2015-2019, EUR 30 000 + 2-years post-doctoral position. Participant in an European research initiative comprising a network of 27 European research institutes.
 - EU Funded Marie Curie Initial Training Network “CALIPSO Ca²⁺ and light signals in photosynthetic organisms” Contract number GA 2013-607-607 (2013-2017) EUR 270 150 including a 3-years PhD contract. Grant coordinator: Prof M. Teige, Max F. Perutz Laboratory, University of Vienna (Austria). Participant in an 11-team consortium.
 - EU Funded Marie Curie Initial Training Network “AccliPhot: Environmental Acclimation of Photosynthesis”. European Union FP7. Coordinator: Prof Oliver Ebenhoeh, University of Dusseldorf, Germany. (2012-2016) EUR 258 148 including a 3-years PhD contract. Participant in an 12-team consortium.
 - ANR “DiaDomOil” PROGRAMME BIO-MATIERES & ENERGIES. Coordinator: Dr Eric Marechal, CEA Grenoble, Fr (2012-2016) EUR 93 000 + 2-years post-doctoral position. Participant in a 4-team consortium.
 - Grand Emprunt Project-European Marine Biological Resource Centre-France (EMBRC) Coordinator: Prof Bernard Kloareg, Station Biologique de Roscoff-Fr. Project “Generation of collection of Transcription Factor knock-down lines in the diatom *Phaeodactylum tricornutum*” (2012-2017) EUR 80 000 + 2-years assistant research position. Participant in the research infrastructure initiative comprising a network of the French marine research stations at the UPMC (Station Biologique de Roscoff, Laboratoire Arago de Banyuls et l’Observatoire Océanologique de Villefranche-sur-Mer, France).
 - French CNRS, ATIP Action Thématique et Incitative sur Programme. Project “Characterization of the molecular mechanisms regulating light responses in marine diatoms” (2009-2013) EUR 180 000, + 2-years post-doctoral position. Individual grant.
 - Human Frontier Science Program, Young Investigator Grant. Project “Characterization of light-dependent rhythmic processes in the marine environment”. Grant Coordinator: Dr K. Tessmar-Raible Max Perutz Laboratory, Univ. of Vienna (Austria) (2010-2014) USD 337 500. Participant in an 4-team consortium.
 - Marie Curie Initial Training Network “COSI: Chloroplast Signals”. European Union FP7 - Contract number: PITN-GA-2008-215174. Grant coordinator: Prof M. Teige, Max F. Perutz Laboratory, Univ. of Vienna (Austria) (2008-2012) EUR 196,000. Participant in an 12-team consortium.
 - Career Development Award (CDA) - Human Frontier Science Program. Project "Photoreceptor-mediated control of photosynthetic activity and growth in marine diatoms" (2006-2009) USD 300,000. Individual grant
 - ASSEMBLE Project (Association of European Marine Biological Laboratories), European Union FP7 INFRASTRUCTURES- network of marine research stations. Project "Generation of gain of function mutants in *Phaeodactylum tricornutum* by activation tagging" (2008-2013). Participant in the research infrastructure initiative comprising a network of marine research stations.
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Scientific production

*AF as corresponding author, AF Team members

Häfker NS[#], Andreatta G[#], Manzotti A[#], Falciatore A[#], Raible F*, Tessmar-Raible K*. Rhythms and Clocks in Marine Organisms. *Annu. Rev. Mar. Sci.*, in press. [#]co-first authors; *co-corresponding

Falciatore A*, Bailleul B, Boulouis A, Bouly J-P, Bujaldon S, Cheminant-Navarro S, Choquet Y, de Vitry C, Eberhard S, Jaubert M, Kuras R, Lafontaine I, Landier S, Selles J, Vallon O, Katia Wostrickoff. Light-driven processes: key players of the functional biodiversity in microalgae. *Comptes rendus Biologies de l'Académie des sciences*, in press.

Vicedomini R[#], Bouly JP[#], Laine E, Falciatore A, Carbone A. Multiple Profile Models Extract Features from Protein Sequence Data and Resolve Functional Diversity of Very Different Protein Families. *Mol Biol Evol.* 2022 Apr 10;39(4):msac070, [#]co-first authors

Rogato A, Falciatore A*. Detection and Quantification of Small Noncoding RNAs in Marine Diatoms. *Methods Mol Biol.* 2022;2498:315-326.

Giovagnetti V, Jaubert M, Shukla MK, Ungerer P, Bouly JP, Falciatore A, Ruban AV. Biochemical and molecular properties of LHCX1, the essential regulator of dynamic photoprotection in diatoms. *Plant Physiol.* 2022 Jan 20;188(1):509-525.

Jaubert M, Duchêne C, Kroth PG, Rogato A, Bouly J-P, Falciatore A*. Sensing and Signalling in Diatom Responses to Abiotic Cues, The Molecular Life of Diatoms Book, Falciatore A & Mock T Eds, Springer, 2022: 607-639.

Manfellotto F, Rocco Stella G, Falciatore A, Brunet C, Ferrante MI. Engineering the unicellular alga *Phaeodactylum tricornutum* for enhancing carotenoid production. *Antioxidants.* 2020 16;9(8):757.

Falciatore A*, Jaubert M, Bouly JP, Bailleul B, Mock T. Diatom Molecular Research Comes of Age: Model Species for Studying Phytoplankton Biology and Diversity. *Plant Cell.* 2020 Mar;32(3):547-572.

Lavoie M, Saint-Béat B, Strauss J, Guérin S, Allard A, V Hardy S, Falciatore A, Lavaud J. Genome-Scale Metabolic Reconstruction and in Silico Perturbation Analysis of the Polar Diatom *Fragilariopsis cylindrus* Predicts High Metabolic Robustness. *Biology.* 2020;9(2):30.

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Bowler C, Falciatore A. *Phaeodactylum tricornutum*. *Trends Genet.* 2019 Sep;35(9):706-707. doi: 10.1016/j.tig.2019.05.007.

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Kroth PG, Bones AM, Daboussi F, Ferrante MI, Jaubert M, Kolot M, Nymark M, Río Bártulos C, Ritter A, Russo MT, Serif M, Winge P, Falciatore A*. Genome editing in diatoms: achievements and goals. *Plant Cell Rep.* 2018 Oct;37(10):1401-1408.

Taddei L, Chukhutsina VU, Lepetit B, Stella GR, Bassi R, van Amerongen H, Bouly JP, Jaubert M, Finazzi G, **Falciatore A***. Dynamic Changes between Two LHCX-Related Energy Quenching Sites Control Diatom Photoacclimation. *Plant Physiol.* 2018 Jul;177(3):953-965.

Matuszyńska A, Moejes F, Adhikari K, Bassi R, Cariti F, Cogne G, Dikaios I, **Falciatore A**, Finazzi G, Flori S, Goldschmidt-Clermont M, Magni S, Maguire J, Le Monnier A, Mueller K, Poolman M, Singh D, Spelberg S, Stella GR, Succurro A, Taddei L, Urbain B, Villanova V, Zabke C, Ebenhöf O. 2017. A systems-wide understanding of the photosynthetic acclimation in algae and higher plants - retrospection and perspectives. *J Exp Bot*, 68:2667-2681.

Villanova V, Fortunato AE, Singh D, Dal Bo D, Conte M, Obata T, Jouhet J, Fernie AR, Marechal E, **Falciatore A**, Pagliardini J, Le Monnier J, Poolman M, Curien G, Petroutsos D, Finazzi G. 2017. Investigating mixotrophic metabolism in the model diatom *Phaeodactylum tricornutum*. *Phil. Trans. R. Soc. B.*, 372(1728). pii: 20160404.

Jaubert M, Bouly JP, Ribera d'Alcalà M, **Falciatore A***. 2017. Light sensing and responses in marine microalgae. *Curr Opin Plant Biol.* 37:70-77.

Kirkham AR, Richthammer P, Schmidt K, Wustmann M, Maeda Y, Hedrich R, Brunner E, Tanaka T, van Pée KH, **Falciatore A**, Mock T. 2017. A role for the cell-wall protein silacidin in cell size of the diatom *Thalassiosira pseudonana*. *ISME J.* 11:2452-2464.

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Lepetit B, Gélín G, Lepetit M, Sturm S, Vugrinec S, Rogato A, Kroth PG, **Falciatore A**, Lavaud J. The diatom *Phaeodactylum tricornutum* adjusts nonphotochemical fluorescence quenching capacity in response to dynamic light via fine-tuned Lhcx and xanthophyll cycle pigment synthesis. 2017. *New Phytol.* 214:205-218.

Gherardi M, Amato A, Bouly JP, Cheminant Navarro S, Ferrante MI, d'Alcalá MR, Iudicone D, **Falciatore A**, Cosentino Lagomarsino M. Regulation of chain length in two diatoms as a growth-fragmentation process. 2016. *Phys Rev E.* 94:022418.

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Kadono T, Miyagawa-Yamaguchi A, Kira N, Tomaru Y, Okami T, Yoshimatsu T, Hou L, Ohama T, Fukunaga K, Okauchi M, **Falciatore A**, Adachi M. Characterization of marine diatom-infecting virus promoters in the model diatom *Phaeodactylum tricornutum*. *Scientific Reports.* 2015. 5:18708. doi: 10.1038/srep18708.

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Fortunato AE, Annunziata R, Jaubert M, Bouly JP, **Falciatore A***. Dealing with light: The widespread and multitasking cryptochrome/photolyase family in photosynthetic organisms. *J Plant Physiol*. 2015. 172:42-54.

Rogato A, Richard H, Sarazin A, Voss B, Cheminant Navarro S, Champeimont R, Navarro L, Carbone A, Hess WR, **Falciatore A***. The diversity of small non-coding RNAs in the diatom *Phaeodactylum tricornutum*. *BMC Genomics*. 2014. 15:698.

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Huysman MJ, Fortunato AE, Matthijs M, Costa BS, Vanderhaeghen R, Van den Daele H, Sachse M, Inzé D, Bowler C, Kroth PG, Wilhelm C, **Falciatore A**, Vyverman W, De Veylder L. AUREOCHROME1a-Mediated Induction of the Diatom-Specific Cyclin dsCYC2 Controls the Onset of Cell Division in Diatoms (*Phaeodactylum tricornutum*). *Plant Cell*. 2013. 25: 215-28.

Lepetit B, Sturm S, Rogato A, Gruber A, Sachse M, **Falciatore A**, Kroth P, Lavaud J. High light acclimation in the secondary plastids containing diatom *Phaeodactylum tricornutum* is triggered by the redox state of the plastoquinone pool. *Plant Physiol*. 2013. 161:853-65.

Depauw F, Rogato A, Ribera d'Alcalà M and **Falciatore A***. Exploring the molecular basis of response to light in marine diatoms. *J. Exp. Bot*. 2012. 63:1575-91.

Bailleul B[§], Rogato A[§], de Martino A, Coesel S, Cardol P, Bowler C, **Falciatore A*** and Finazzi G. LHCX1, an atypical member of the LHCSR protein family, modulates diatom responses to light, *PNAS*, 2010. 107:18214-9. [§]Equal contribution, *corresponding author.

Bowler C, De Martino A and **Falciatore A***. Diatom cell division in an environmental context, *Current Opin. Plant Biol.*, 2010. 13:623-630.

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Patent:

International patent No. PCT/EP2011/068018, Algal Bio-flocculation by inactivation of photoreceptors. Inventors: **FALCIATORE, Angela, RANIELLO, Raffaella, BOWLER, Chris**. Applicants: STAZIONE ZOOLOGICA "ANTON DOHRN" (IT); Villa Comunale I-80121 Napoli (IT); **FALCIATORE, Angela (IT), RANIELLO, Raffaella (IT), BOWLER, Chris (IT)**. 2011.