

UNIVERSITÀ DEGLI STUDI DI MILANO

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Vittoria F. Brambilla
CURRICULUM VITAE

INFORMAZIONI PERSONALI COGNOME	BRAMBILLA
NOME	VITTORIA FRANCESCA
DATA DI NASCITA	[23, settembre, 1979]

General data

Vittoria Francesca Brambilla

Born on the 23rd Sept 1979

Married (2 children)

Researcher unique identifier (ORCID): orcid.org/0000-0003-0673-6898

SCOPUS ID: 22833807800

CURRENT POSITION

- November 2017- present
Researcher on a fixed-term (RTD-A), at the University of Milan (Italy), Department of Agricultural and Environmental Sciences 05/A1 Botanica Generale.

POST-DOCTORAL RESEARCH EXPERIENCES

- December 2016- October 2017
Post-doctoral researcher at the University of Milan, Department of Agricultural and Environmental Sciences. Supervisor: Prof. Laura Rossini.
- June 2011- November 2016 (5 months maternity leave)
Post-doctoral researcher at the University of Milan, Department of Biosciences. Supervisor: Prof. Fabio Fornara.
- February 2008 - April 2011 (1 year maternity leave)
Post-doctoral researcher at the Max Planck Institute for Plant Breeding Research, Cologne (Germany). Supervisors: Dr. Wim Soppe and Prof. Maarten Koornneef.

EDUCATION

- November 2004 - January 2008
PhD in Plant Biology at University of Milan, Department of Biology.
Dissertation title: Transcription factors controlling ovule and carpel development in Arabidopsis.
Supervisor: Prof. Lucia Colombo.
- November 2006 - December 2007
Research Fellowship at Düsseldorf University (Germany) in the lab of Prof. Ruediger Simon.
- December 2003
Master degree in Biology (5 years degree) at the University of Milan.
Thesis title: MADS-BOX transcription factors controlling ovule identity in Arabidopsis.
Supervisor: Prof. Lucia Colombo.

LANGUAGES

- Italian (native),
- English (excellent),
- German (good).

ABILITAZIONE SCIENTIFICA NAZIONALE (ASN)

- **2019-2025 (#6991) Settore Concorsuale 05/A1, Botanica Generale. Fascia:2**
- 2018-2024 (#73649) Settore Concorsuale: 07/E1, Chimica Agraria, Genetica Agraria, Pedologia. Fascia:2
- 2018-2024 (#73648) Settore Concorsuale: 05/A2, Fisiologia Vegetale. Fascia:2
- 2020-2029 (#30256) Settore Concorsuale: 05/I1 Genetica. Fascia:2
- 2020-2029 (#29963) Settore Concorsuale: 05/E2 Biologia Molecolare. Fascia:2

Teaching activities

UNIVERSITY COURSES

- Academic year 2020-2021 - Holder of the course Agrarian Botany (G28) (4 CFU) for the Bachelor Degree in Agricultural Sciences and Technologies (L-25) (https://www.unimi.it/it/corsi/altre_offerte/aa-2020/2021/scienze-e-tecnologie-agrarie-classe-l-25-immatricolati-dallanno-accademico-2019/20).
- Academic year 2019-2020 Biology 1 - Botany (4 CFU) for the Bachelor Degree in Agro-Technologies for the Environment and the Landscape, (www.agraria.unimi.it/G26/presentazione.php).
- Academic year 2018-2019, Practical Course in Botany (1CFU) for the Bachelor Degree in Agro-Technologies for the Environment and the Landscape.
- Academic year 2018-2019, Biology 1 - Botany (4 CFU) for the Bachelor Degree in Agro-Technologies for the Environment and the Landscape, (www.agraria.unimi.it/G26/presentazione.php).
- Academic year 2018-2019, Practical Course in Botany (1CFU) for the Bachelor Degree in Agro-Technologies for the Environment and the Landscape.
- Academic years 2004-2005 and 2005-2006, as PhD student I was responsible for the Practical Course in Botany for the Bachelor in Biological Sciences, Department of Biology, University of Milan.

ADDITIONAL TEACHING AND LECTURES

- Lecturer for the “Walter Tobagi” school of journalism of the University of Milan (30.5.19)
- Academic years 2014-2015, 2015-2016, 2016-2017 and 2017-2018, I gave regular lectures on “Seed development and seed dormancy” for the Course of Plant Developmental Biology within the Master Course in Biodiversity and Evolution at the University of Milan.

- Academic year 2016-2017, lectures on “CRISPR/Cas9 for rice breeding” for the Course in Plant Biotechnology at Western Piedmont University, Vercelli.

SUPERVISION OF STUDENTS

Supervision of Undergraduate Students at Milan University and at the Max Planck Institute for Plant Breeding Research, Cologne (2006-present): 11 master students, 2 PhD students.

Research activities

GRANTS UNDER EVALUATION

- -Cariplo SOCIAL STUDIES: SCIENCE AND TECHNOLOGY 2020. Project title: G-EN_ETHICS: ENGAGING CITIZENS AND SCIENTISTS TO ADDRESS ETHICS CHALLENGES OF GENOME EDITING IN AGRICULTURE. Unit Coordinator.
- -Italian Ministry of Foreign Affairs (MAECI) - Joint call Italy - Japan 2019. Project title: Enhancing rice yield by increasing panicle branching. Member of Research Team.
- -MIUR FISR (Fondo integrativo speciale per la ricerca) FISR2019_03491 Project title: Anthocyanins regulation in a changing environment. Unit Coordinator

FUNDINGS AND FELLOWSHIPS

- SEED (Bando Straordinario per Progetti Interdipartimentali 2019). Project title: DISENGAGE (Deciphering light stimulated transcriptional reprogramming in plants at single cell resolution). Position: PI.
- Torno Subito - Regione Lazio- 6 months fellowship for a visiting scientist from La Sapienza University. Position: Co-PI.
- 2019-2020 “Piano di Sostegno alla Ricerca” of the Department of Agricultural Sciences of the University of Milan. Project title: COAT - La cuticola, un target per il miglioramento genetico in mais. Position: Research Unit
- 2018-2019 “Piano di Sostegno alla Ricerca” of the Department of Agricultural Sciences of the University of Milan. Project title: SORRISO - Rice Crop Impairment by Abiotic and Biotic Stresses. Position: PI.
- 2017-2019 Funding from BASF Italia supporting rice molecular breeding programs. Position: PI
- 2016-2018 Funding from Lugano Sementi s.r.l. supporting rice molecular breeding programs. Position: PI.
- 2009-2011 Alexander von Humboldt Foundation (Germany) fellowship for post-doctoral researchers including funding for salary and research. Project title: Characterization of SUA, a splicing factor active during seed development in Arabidopsis. Position: PI.
- 2005-2007 PhD fellowship for graduate students to complete a PhD in Plant Biology at the University of Milan, Department of Biology (Italy).
- 2004 Fellowship for supporting the training of young researchers at the University of Milan (Borsa Giovani Promettenti), Department of Biology.
- 2001 Socrates/Erasmus fellowship for Master students at Utrecht University, Department of Biology (The Netherlands).

COORDINATION OF RESEARCH GROUPS AND RESEARCH INTERESTS

The research topics of my group include the genetic and molecular bases of flowering time in rice and the hormonal control of rice plant architecture. Results from basic plant developmental biology research studies are aimed at implementing breeding programs of Italian rice varieties.

After receiving my PhD in 2008, I started my scientific career as a post doc at the Max Planck Institute for Plant Breeding Research in Cologne (Germany) where I focused on basic developmental biology research and I contributed in revealing the role of alternative splicing in the control of seed development in Arabidopsis. My post doc at the MPI was supported by a personal fellowship from the Alexander von Humboldt Foundation

that granted me independence in leading the project. Subsequently I joined prof. Fornara's ERC-funded lab at the University of Milan where I became interested in a different biological model system, moving from Arabidopsis to rice. In particular, I carried out basic research on rice flowering and reproduction, and I uncovered novel molecular mechanisms that control flowering. I have then started collaborations with local rice seed companies (Lugano Sementi s.r.l. and BASF) that funded technology transfer projects to apply the results of basic research carried out in the lab.

In 2017 I became RTD at the Department of Agricultural and Environmental Sciences of the University of Milan. There, as PI, I started developing additional research lines aimed at understanding the mechanisms that plants set in place to interact with the surrounding environment, including biotic and abiotic interactions.

To this end, I am currently collaborating with several national and international scientists, including:

- Prof. Stephan Wenkel at the University of Copenhagen (Denmark) - to study Micro Proteins that regulate photoperiodic flowering.
- Prof. Sophien Kamoun & Dr. Thorsten Langner at the Sainsbury Laboratory Norwich (UK) - to study the molecular basis of rice blast resistance and understand the potential to introduce the trait in Italian varieties.
- Prof. Giampiero Valè - Università del Piemonte Orientale - to validate QTLs identified for rice blast resistance by genome editing (I am currently setting up an H2020-ITN project with Prof. Valè and other international groups).
- Dr. Raffaele dello Iorio - Università La Sapienza, Roma - to study root cortex development and rice adaptation to changing environments (Co-PI of the funded Torno Subito project).
- Dr. Lucio Conti - Dept. of Biosciences University of Milan - to perform single-cell transcriptomic analyses of rice shoot apical meristems during the floral transition (Co-PI of the funded SEED project).
- Dr. Bhakti Prinsi - Dept. of Agricultural and Environmental Sciences University of Milan - to study metabolites and hormones accumulation in rice flowering mutants.
- Dr. Silvia Toffolatti - Dept. of Agricultural and Environmental Sciences University of Milan - to perform controlled rice blast infection tests on different genotypes that I obtained.

During the last years I have been lab co-supervisor of the PhD students:

- Martina Cerise PhD student in Molecular and Cellular Biology - cycle XXXIII
- Francesca Giaume PhD student in Molecular and Cellular Biology - cycle XXXV
- Lorenzo Mineri PhD student in Molecular and Cellular Biology - cycle XXXVI
- Giulio Vicentini PhD student in Agriculture, Environment and Bioenergy - cycle XXXVI

I have been supervisor of the master theses of:

- Lorenzo Mineri Corso di Laurea: Biotecnologie Vegetali, Alimentari e Agro-ambientali (Classe LM-7) (16.10.19 - 110/110L);
- Marta Pirola Corso di Laurea: Biotecnologie Vegetali, Scuola di Agraria e Medicina Veterinaria Università degli Studi di Torino (17.4.2020-110/110L)
- Mirko De Vivo, Corso di Laurea Triennale in Biotecnologia, Università degli Studi di Milano (25.7.2019)

SPEAKER AT CONFERENCES AND SCIENTIFIC EVENTS (only during the last four years)

- **Brambilla V.** A common set of genes responding to photoperiodic or florigenic induction at the shoot apical meristem of rice - La Sapienza University - Plant Development. Invited speaker 18.12.2019

- Cerise M, Martignago D, Chiara M, Galbiati F, Mineri L, Coppini L, Gomez-Ariza J, Spada A, Horner D, Fornara F, **Brambilla V.** CRISPR/Cas9 mutagenesis of florigen targets at the shoot apical meristem of rice Riunione dei Gruppi di Biologia Cellulare e Molecolare, Biotecnologie e Differenziamento della Società Botanica Italiana (SBI), Napoli (Italy) (<https://differenziamentosbi.wordpress.com>). Speaker 12-14.6.2019.

- **Brambilla V.**, Cerise M, Martignago D, Galbiati F, Horner D, Chiara M, De Rosa M, Spada A and Fornara F. The paralogous rice florigens Hd3a and RFT1 have partially redundant functions during the floral transition. LXII SIGA Annual Congress, Verona (Italy) Selected speaker 25-8.9.2018.
http://www.geneticagraria.it/congress_comunicazione.asp?a_pag=4&id=62&Indice=288Verona

-**Brambilla V**, Cerise M, Martignago D, Galbiati F, Horner D, Chiara M, De Rosa M, Spada A and Fornara F. The paralogous rice florigens Hd3a and RFT1 have partially redundant functions during the floral transition. 16th International Symposium on Rice Functional Genomics. Tokyo (Japan). Selected speaker 5-7.9.2018. (<http://nodaiweb.university.jp/isrfg2018/eng/program.html>).

-**Brambilla V**, New Plant Breeding Technologies. Invited speaker in Workshop SOI, la filiera dell'innovazione varietale in frutticoltura. Bologna (Italy) 19.6.2018. (http://kp.eufrin.eu/index.php?id=107&tx_eufrinkb_pi1%5Bactivity%5D=1088&cHash=f744ecbe8ef2baaa60ad72e76e963b8e).

-**Brambilla V**, Cerise M, Martignago D, Aldrovandi M, Vicentini G, Galbiati F, de Rosa M, Fornara F. The paralogous rice florigens Hd3a and RFT1 have partially redundant functions during the floral transition. Riunione dei Gruppi di Biologia Cellulare e Molecolare, Biotecnologie e Differenziamento della Società Botanica Italiana (SBI), Sanremo (Italy) (<https://differenziamentosisbi.wordpress.com>). Selected speaker 15-18.6.2018.

-**Brambilla V**, CRISPR/Cas9, recenti applicazioni per il miglioramento genetico in agricoltura. ASSOSEMENTI meeting. (<http://www.sementi.it/articoli/487/comunicare-innovazione-incontro-aperto-assosementi-19-aprile-2018>), Bologna (Italy), Invited speaker 19.4.2018.

-**Brambilla V**, Plant genome editing. Event organized by AISSA (Italian Society of Scientific Agrarian Societies) Bologna (Italy). Invited speaker 13.7.2017.

-**Brambilla V**, CRISPR in plants: from basic research to agriculture - XIV ALC Conference - Turin (Italy). Invited speaker 30.7.2017.

-**Brambilla V**, New Plant Breeding Technologies. The Permanent Italian Mission at the United Nations in Geneva (Switzerland). Invited speaker 30.6.2017.

-**Brambilla V**, Floral transition in rice is fine-tuned by antagonistic transcription factor complexes. Riunione dei Gruppi di Biologia Cellulare e Molecolare, Biotecnologie e Differenziamento della Società Botanica Italiana (SBI), Bicocca University, Milan (Italy). Selected speaker 14.6.2017.

-**Brambilla V**, Plant Genome Editing. Italian Parliament, Chamber of Deputies, Rome (Italy). Invited speaker 28.1.17.

-**Brambilla V**, Repression of flowering by alternative florigen-containing complexes in rice. International Symposium on Rice Functional Genomics, Montpellier (France). Selected speaker 26-29.9.2016

ORGANIZATION OF CONFERENCES

-Chair for the Sustainable Agriculture Panel at the VI World Congress for Freedom of Scientific Research. African Union, Addis Ababa 25-26.2.2020

-Organizer of the Green Biotechnology Commission during the Annual Meeting of Associazione Luca Coscioni per la Libertà di Ricerca 5-7.10.2018 at the University of Milan. <https://www.radioradicale.it/scheda/553802/xv-congresso-dellassociazione-luca-coscioni-quarta-commissione-modificazione-genetica>

-Organizer of the Rice Days Workshop at the University of Milan 10-11.7. 2018.

SCIENTIFIC COMMISSIONS MEMBERSHIPS

- Member of the PhD School in Agriculture, Environment and Bioenergy of the University of Milan (2018).
- Member of the final evaluation Committee for the final exam of the PhD School in Agrisystems- Catholic University of Piacenza, Piacenza, Italy 14.12.2018.

EDITORIAL ACTIVITIES

- Scientific Editor of Frontiers in Plant Science - Plant Development and Evo Devo (<https://www.frontiersin.org/journals/plant-science/sections/plant-development-and-evodevo#>)
- Scientific Editor for BMC PLANT BIOLOGY (<https://bmcplantbiol.biomedcentral.com/about/editorial-board>)
- Scientific Editor for Plants (<https://www.mdpi.com/journal/plants/editors>)

REVIEWING ACTIVITIES FOR SCIENTIFIC JOURNALS

- The Plant Cell (USA) (<http://www.plantcell.org/>)
- Plant Biosystems (Italy) - Official Journal of the Società Botanica Italiana (<https://www.tandfonline.com/toc/tplb20/current>)
- BMC Plant Biology (UK) (<https://bmcplantbiol.biomedcentral.com>)
- Journal of Experimental Botany (UK) (<https://academic.oup.com/jxb>)
- Plant Cell Reports (<https://www.springer.com/journal/299>)
- Frontiers in Plant Science (<https://www.frontiersin.org/journals/plant-science#>)
- The Plant Journal (<https://onlinelibrary.wiley.com/journal/1365313x>)
- International Journal of Molecular Sciences (CH) (<http://www.mdpi.com/journal/ijms>)
- Agronomy (<https://www.mdpi.com/journal/agronomy>)
- Development Genes and Evolution (<https://www.springer.com/journal/427>)

REVIEWING ACTIVITIES FOR FUNDING AGENCIES

- Czeck Science Foundation <http://www.gacr.cz/en/>
- Referee for Italian Grants (from the REPRIS database)

OUTREACH ACTIVITIES

- Article in: Quaderni Fondazione PER, Agricoltura, Ambiente, Quaderno 10 - 2020, Scienza. V.Brambilla, Virus, contro complottismi e usanze pericolose serve la scienza” <https://perfondazione.eu/quaderni/tra-scienza-agricoltura-e-politica-le-false-credenze-su-covid-19/> 21.6.2020

-Teaching activities for Zanichelli publisher aimed at high school students, on GMOs and New Plant Breeding Techniques at:

- 1) Liceo Scientifico e Scienze Applicate Istituto L.R. Don Bosco, Padova 23.10.2019;
- 2) Liceo "G.G. Trissino" Valdagno (VI) 29.10.2019;
- 3) Liceo Scientifico 'Copernico' Verona il 25.11.2019.

-Reading suggestions for 'La lettura' Corriere della Sera - il Podio - 10.11.19

-Speaker at RAI radio3 Scienza (<https://www.raiplayradio.it/audio/2019/10/RADIO3-SCIENZA-del-21102019---In-tourn195169e-tra-i-banchi-90ce04de-0e03-4862-a9bc-c6e30d715b69.html>) 21.10.19

-Interviewed for the national newspaper La Stampa - Tuttoscienze "Tutte le fake news sugli OGM" (<https://www.lastampa.it/tuttoscienze/2019/10/16/news/tutte-le-fake-news-sugli-ogm-ci-spaventano-eppure-li-mangiamo-e-il-no-dell-italia-danneggia-i-raccolti-1.37749085>) 16.10.19

-Invited speaker for UNISTEM TOUR at Liceo Laurana Baldi Urbino (<http://fondazionetim.it/eventi/unistem-tour-urbino>); (<http://users2.unimi.it/unistem/>) 14.10.19

-Book Chapter Brambilla V, "Salviamo la Scienza Verde" in the book "Proibisco Ergo Sum" edited by Perduca and Gallo (2018). ISBN: 8860445302 (in Italian).

-Brambilla V, "L'ultimo strumento della biologia molecolare per creare piante più produttive e più resistenti ai patogeni", in the Journal "I Tempi della Terra" Issue 4 December 2019 <http://www.itempidellaterra.org/2020/01/25/fascicolo-4> (in Italian).

- Brambilla V, “Lo spillover che ha cambiato la vita a miliardi di uomini” in the journal: I Tempi della Terra Issue 6 July 2020 (<http://www.itempidellaterra.org/2020/07/18/fascicolo-6/>).
- Contributed to the TV program “Preso Diretta” -RAI TRE- on the topic of Plant Genome Editing - broadcasted in September 2019 (<https://www.youtube.com/watch?v=zACM5jgNlfQ>).
- Invited speaker at the “Mantova Food and Science Festival” <https://www.foodsciencefestival.it/en/-Mantova> (Italy) 18.5.19
- Teacher at Pavia Prison, Pavia (Italy). “History of agriculture and how agriculture is changing today” 13.5.19.
- Teaching activity for a School-Work project at the high school R. Cartesio Cinisello Balsamo (Milano) “Plant breeding and biotechnologies” 7.2.2019
- Founding member of the group “SeTA -ScienceE and Technology for Agriculture” / <https://www.setanet.it/chi-siamo/>). SeTA is a group of experts in Agriculture with the aim of disseminating a correct scientific information.
- Invited speaker at the meeting “New sustainable agriculture” at the Italian Senate, Rome Italy 19.3.2019 <https://www.radioradicale.it/scheda/568449/la-nuova-agricoltura-sostenibile-linnovazione-a-sostegno-del-settore-agricolo-per-la>
- Invited speaker at the meeting “Freedom and Fundings for the Italian Scientific Research”, Sala Parlamentino Consiglio Nazionale dell’Economia e del Lavoro (CNEL), Rome, Italy 20.2.2019
- Invited speaker at the meeting “An analysis of modern agriculture” organized by the group Agrarian Sciences, Florence <https://agrariansciences.blogspot.com/2019/01/agricoltura-contemporanea-unanalisi.htm> 27.1.2019
- Speaker at HUG Milano - “Feed the Future ” - <https://www.facebook.com/events/2473701145990163/> 17.12.2018
- Author of “Hybrid rice will be biotech” in the blog of the Luca Coscioni Association <https://www.associazionelucacoscioni.it/notizie/blog/arrivo-riso-ibrido/> 13.12.2018
- Speaker at Milano BOOKCITY #BCM18 during the event organized by Università degli Studi di Milano, Università Bicocca - Biotechnologies, fears, expectations, hopes (<https://bookcitymilano.it/eventi/2018/biotechnologie-paure-aspettative-e-speranze>). 16.11.2018.
- Invited speaker at the Science Festival in Fasano 2018 in Fasano (Brindisi), Italy 20.10.2018.
- Author in the blog Agrarian Sciences (<https://agrariansciences.blogspot.com>) 27.7.2018.
- Organizer of the Solstice Party at Città Studi Botanical Garden, Milan 21.6.2018.
- Author of The Plant Cell in a Nutshell: How Signals in Plant Leaves Influence Flowering <https://plantae.org/leaves-influence-flowering/> 17.12.2017.
- Organizer of the event Race to Flowering, within the event Meet Me Tonight, the Researchers’ Night in Milan 29.9.2017.
- Contributed to the TV show on the public Italian television (RAI1) Superquark on Plant Breeding and New Plant Breeding Technologies in Agriculture 25.7.2015.

-Organizer of laboratories for children during the Fascination of Plants Day 2015 and 2017, Città Studi Botanical Garden, Milan.

-Invited speaker at Accademia Italiana della Cucina to talk about Rice history and breeding, Capracotta (Isernia) Italy. <http://www.capracotta.com/en/node/1715> 16.10.2014.

-Organizer and speaker at “aperitivo” per EXPO, Milan 2015. Studying rice flowering.

PUBLICATIONS (PEER-REVIEWED) and BIBLIOMETRIC INDEXES

Total number of citations: 680 (Scopus), 925 (Google Scholar)

Average number of citations/paper: 34 (Scopus), 46,25 (Google Scholar)

h-index: 13 (Scopus), 14 (Google Scholar)

Total impact factor (IF): 110,06

Average IF/publication: 5,5

*Corresponding author

1. Cerise, M., Giaume, F., Galli, M., Khahani, B., Lucas, J., Podico, F., Tavakol, E., Parcy, F., Gallavotti, A., **Brambilla, V.** and Fornara, F. OsFD4 promotes the rice floral transition via florigen activation complex formation in the shoot apical meristem. *New Phytol.* doi:[10.1111/nph.16834](https://doi.org/10.1111/nph.16834) (2020).
2. Eguen T, Gomez-Ariza J, **Brambilla V**, Sun B, Bhati KK, Fornara F, Wenkel S. Control of flowering in rice through synthetic microProteins. *J Integr Plant Biol.* doi: 10.1111/jipb.12865 (2019).
3. Gomez-Ariza, J, **Brambilla, V**, Vicentini, G, Landini, M, Cerise, M, Carrera, E, Shrestha, R, Chiozzotto, R, Galbiati, F, Caporali, E, Lopez-Diaz, I, Fornara, F. A transcription factor coordinating internode elongation and photoperiodic signals in rice. *Nature Plants* Volume 5, Issue 4, Pages 358-3621 (2019).
4. Borrelli, V, **Brambilla, V**, Rogowsky, R., Marocco, A., Lanubile, A. The Enhancement of Plant Disease Resistance Using CRISPR/Cas9 Technology. *Front Plant Sci.* (2018).
5. **Brambilla, V.**, Martignago, D., Goretti, D., Cerise, M., Somssich, M., de Rosa, M., Galbiati, F., Shrestha, R., Lazzaro, F., Simon, R., Fornara, F. Antagonistic Transcription Factor Complexes Modulate the Floral Transition in Rice. *The Plant Cell* 29 (11), pp. 2801-2816 (2017).
6. **Brambilla V**, Gomez-Ariza, Cerise, M, Fornara, F. The Importance of Being on Time: Regulatory Networks Controlling Photoperiodic Flowering in Cereals. *Front Plant Sci.* 8,665 (2017).
7. Goretti D, Martignago D, Landini M, **Brambilla V**, Gomez-Ariza J, Gnesutta N, Collani S, Galbiati F, Takagi H, Terauchi R, Mantovani R, Fornara F. Transcriptional and post-transcriptional mechanisms limit Heading Date 1 (Hd1) function to adapt rice to high latitudes. *PLOS Genetics* 13(1),e1006530. (2017).
8. **Brambilla V** and Fornara F. Y flowering? Regulation and activity of CONSTANS and CCT-domain proteins in Arabidopsis and crop species. *Biochim Biophys Acta.* 1860(5), pp. 655-660 (2016).
9. Srinivasan, A, Jiménez-Gómez, J M, Fornara, F, Soppe, WJJ, and **Brambilla, V***. Alternative splicing enhances transcriptome complexity in desiccating seeds. *J Integr Plant Biology*, 58(12), pp. 947-958 (2016).

10. Gómez-Ariza J, Galbiati F, Goretti D, **Brambilla V**, Shrestha R, Pappolla A, Courtois B, Fornara F. Loss of floral repressor function adapts rice to higher latitudes in Europe. *Journal of Experimental Botany* 66(7), pp. 2027-2039 (2015).
11. Shrestha R, Gómez-Ariza J, **Brambilla V**, Fornara F. Molecular control of seasonal flowering in rice, *Arabidopsis* and temperate cereals. *Annals of Botany* 114(7):1445-5 (2014).
12. **Brambilla V**, Fornara F. Molecular control of flowering in response to day length in rice. *J Integr Plant Biology* 55(5):410-8 (2013).
13. van Zanten M, Koini M A, Geyer R, Liu Y, **Brambilla V**, Bartels D, Koornneef M, Fransz P, Soppe W J. Seed maturation in *Arabidopsis thaliana* is characterized by nuclear size reduction and increased chromatin condensation. *Proc Natl Acad Sci U S A* 108(50): 20219-24 (2011).
14. Sugliani M, **Brambilla V**, Clerx EJ, Koornneef M, Soppe WJ. The conserved splicing factor SUA controls alternative splicing of the developmental regulator ABI3 in *Arabidopsis*. *The Plant Cell*, 22(6):1936-46 (2010).
15. Losa A, Colombo M, **Brambilla V**, Colombo L. Genetic interaction between AINTEGUMENTA (ANT) and the ovule identity genes SEEDSTICK (STK), SHATTERPROOF1 (SHP1) and SHATTERPROOF2 (SHP2). *Sex Plant Reprod*, 23(2):115-21 (2010).
16. Colombo M, **Brambilla V**, Marcheselli R, Caporali E, Kater MM, Colombo L. A new role for the SHATTERPROOF genes during *Arabidopsis* gynoecium development. *Dev Biol*, 337(2):294-302 (2010).
17. **Brambilla V**, Kater MM, Colombo L. Ovule integument identity determination in *Arabidopsis*. *Plant Sign and Behavior*, 3(4):246-247 (2008).
18. Battaglia R, **Brambilla V**, Colombo L. Morphological analysis of female gametophyte development in the *bel1 stk shp1 shp2* mutant. *Plant Biosystems*, 142(3):643-649 (2008).
19. **Brambilla V**, Battaglia R, Colombo M, Masiero S, Bencivenga S, Kater MM, Colombo L. Genetic and molecular interactions between BELL1 and MADS box factors support ovule development in *Arabidopsis*. *The Plant Cell*, 19(8):2544-56 (2007).
20. Battaglia R, **Brambilla V**, Colombo L, Stuitje AR, Kater MM. Functional analysis of MADS-box genes controlling ovule development in *Arabidopsis* using the ethanol-inducible Alc gene-expression system. *Mechanisms of Development*, 123(4):267-76 (2006).

BOOK CHAPTERS

1. Liu Y, Geyer R, **Brambilla V**, Nakabayashi K, Soppe, W J. Seed Dormancy. Chapter: Chromatin dynamics during seed dormancy. Editor: Allison R. Kermode ISBN 978-1-61779-231-1 Methods Mol Biol 773: 239-57 (2011).
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Data

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