

Bibliografia

(selezione di 15 manoscritti pubblicati negli ultimi 10 anni)

1. Cucinotta, Mara, Cavalleri, Alex, Guazzotti, Andrea, Astori, Chiara, Manrique, Silvia, Bombarely, Aureliano, Oliveto, Stefania, Biffo, Stefano, Weijers, Dolf, Kater, Martin M, **Colombo, Lucia** (2021). Alternative Splicing Generates a MONOPTEROS Isoform Required for Ovule Development. *CURRENT BIOLOGY*, vol 41, p 892-899.
2. Di Marzo, Maurizio, Herrera-Ubaldo, Humberto, Caporali, Elisabetta, Novák, Ondřej, Strnad, Miroslav, Balanzà, Vicente, Ezquer, Ignacio, Mendes, Marta A., de Folter, Stefan, **Colombo, Lucia** (2020). SEEDSTICK Controls Arabidopsis Fruit Size by Regulating Cytokinin Levels and FRUITFULL. *CELL REPORTS*, vol. 30, p. 2846-2857
3. N. Kawamoto, DP Del Carpio, A. Hofmann, Y Mizuta, D. Kurihata, T. Higashiyama, N. Uchida, K. Tori, **L. Colombo**, G. Groth, R. Simon (2020). A Peptide pair coordinates regular ovule initiation patterns with seed number and fruit size. *CURRENT BIOLOGY*, vol. 30, p. 4352-4361
4. Mendes, Marta A, Petrella, Rosanna, Cucinotta, Mara, Vignati, Edoardo, Gatti, Stefano, Pinto, Sara C, Bird, Dayton C, Gregis, Veronica, Dickinson, Hugh, Tucker, Matthew R, **Colombo, Lucia** (2020). The RNA dependent DNA methylation pathway is required to restrict SPOROXYTELESS/NOZZLE expression to specify a single female germ cell precursor in Arabidopsis. *DEVELOPMENT*, vol. 13;147(23)
5. Cucinotta M, Manrique S., Cuesta C, Benkova E, Novak O, **Colombo L** (2018). CUP-SHAPED COTYLEDON1 (CUC1) and CUC2 regulate cytokinin homeostasis to determine ovule number in Arabidopsis. *JOURNAL OF EXPERIMENTAL BOTANY*, vol. 69, p. 5169-5176.
6. Mara Cucinotta, Silvia Manrique, Andrea Guazzotti, Nadia E Quadrelli, Marta A Mendes, Eva Benkova, **Lucia Colombo** (2016) Cytokinin response factors integrate auxin and cytokinin pathways for female reproductive organ development. *DEVELOPMENT*, 143, 4419-4424
7. V. Balanzà, I. Roig-Villanova, M. Di Marzo, S. Masiero, **L. Colombo** (2016). Seed abscission and fruit dehiscence required for seed dispersal rely on similar genetic networks. *DEVELOPMENT* 143 (18), 3372-3381.
8. I Ezquer, C Mizzotti, E Nguema-Ona, M Gotté, L Beauzamy, VE Viana, N. Dubrulle, A. Costa de Oliveira, E. Caporali, A.S Koroney, A. Boudaoud, A. Driouich, **Lucia Colombo** (2016). The developmental regulator STK controls the structure and mechanical properties of the Arabidopsis seed coat. *THE PLANT CELL*, 28(10):2478-2492
9. M.A. Mendes, R. Guerra, B. Castelnovo, Y.S. Velazquez, P. Morandini, S. Manrique Urpi, N. Baumann, R. Groß-Hardt, H. Dickinson, **L. Colombo** (2016). Live and let die : a

REM complex promotes fertilization through synergid cell death in Arabidopsis. DEVELOPMENT, vol. 143, p. 2780-2790.

10. Mizzotti C, Ezquer I, Paolo D, Rueda-Romero P, Guerra R, Battaglia R, Rogachev I, Aharoni A, Kater MM, Caporali E, **Colombo L.** (2014) SEEDSTICK is a Master Regulator of Development and Metabolism in the Arabidopsis Seed Coat. PLoS Genetics 10 -15
11. O. Mantegazza, V. Gregis, M.A. Mendes, P. Morandini, M. Alves-Ferreira, C.M. Patreze, S.M. Nardeli, M.M. Kater, **L. Colombo** (2014). Analysis of the arabidopsis REM gene family predicts functions during flower development. ANNALS OF BOTANY, vol. 114, p. 1507-1515
12. F. Galbiati, D. Sinha Roy, S.Simonini, M. Cucinotta, L. Ceccato, C. Cuesta, M. Simaskova, E. Benkova, Y. Kamiuchi, M. Aida, D. Weijers, R. Simon, S. Masiero and **L Colombo** (2013). An integrative model of the control of ovule primordia formation. Plant Journal. 76 446–455
13. M. Mendes, R. Guerra, M. Berns, Carlo Manzo, S. Masiero, L. Finzi, M. Kater, and **L. Colombo** (2013). MADS-domain Transcription Factors Mediate Short-Range DNA Looping that is Essential for Target Gene Expression in Arabidopsis. Plant Cell 25, 2569-2572.
14. S Bencivenga, S Simonini, E Benková, **L Colombo** (2012). The transcription factors BEL1 and SPL are required for cytokinin and auxin signaling during ovule development in Arabidopsis. The Plant Cell 24 (7), 2886-2897
15. C Mizzotti, MA Mendes, E Caporali, A Schnittger, MM Kater, R Battaglia, **L . Colombo** (2012) The MADS box genes SEEDSTICK and ARABIDOPSIS Bsister play a maternal role in fertilization and seed development. The Plant Journal 70 (3), 409-420.