**CURRICULUM VITAE (as of November 2018)**

**Name:** Pablo Bolaños-Villegas **Birthdate:** March 15,1979 **Citizenship:** Costa Rican

**Institution:** University of Costa Rica, Fabio Baudrit Agricultural Research Station

**Position:** Researcher **E-mail:** [pablo.bolanosvillegas@ucr.ac.cr](mailto:pablo.bolanosvillegas@ucr.ac.cr), [pollux79@gmail.com](mailto:pollux79@gmail.com)

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**Studies:**

* Ph.D. in Molecular and Cellular Agricultural Sciences, Taiwan International Graduate Program, National Chung Hsing University and Academia Sinica, Taipei, 2014.
* M.Sc. in Horticulture, National Pingtung University of Science and Technology, Taiwan, 2007.
* B.Sc. in Plant Science, University of Costa Rica, 2005.

**Memberships:**

American Society of Plant Biologists (ASPB), and young affiliate of the Academy of Sciences for the Developing World (TWAS/UNESCO).

**Selected publications:**

1. Mora, J., Scott, K., and Bolaños-Villegas, P. 2018. Analysis of meiosis in non-model tropical plants, the case of *Carica papaya*. In: **Plant Meiosis: Methods and Protocols**. Heckmann, S. (Ed). Springer Science+Business Media, New York, ISSN: 1064-3745 (submitted on 6/2018).
2. Bolaños-Villegas, P., Arguello-Miranda, O., and Barrantes-Santamaria, W. 2018 Meiosis research in orphan tropical crops. ***Frontiers in Plant Science*** (topic review submitted on 6/2018).
3. Bolaños-Villegas, P., Xu, W.Y., Martínez-García, M., Pradilllo, M., and Wang, Y.X. 2018 Insights into the role of ubiquitination in meiosis: fertility, adaptation and plant breeding. ***The Arabidopsis Book***: e0187. doi: 10.1199/tab.0187. Comai, L. (Ed). American Society of Plant Biologists, eISSN: 1543-8120.
4. Bolaños-Villegas, P., De, K., Pradilllo, M., Liu, D., and Makaroff, C. 2017. In favor of establishment: regulation of chromatid cohesion in plants. ***Frontiers in Plant Science***(8): 846.doi: 10.3389/fpls.2017.00846.
5. De, K., Bolaños-Villegas, P., Mitra, S., Yang, X., Homan, G., Jauh. G.Y., and Makaroff, C. 2016. The opposing actions of *Arabidopsis CTF7* and *WAPL1/2*: differences in mitotic and meiotic cells. ***The Plant Cell*** (28): 521–536. doi: 10.1105/tpc.15.00781.
6. Bolaños-Villegas, P. and Jauh, G.Y. 2015. Reduced activity of Arabidopsis chromosome-cohesion regulator gene *CTF7/ECO1* alters cytosine methylation status and retrotransposon expression. ***Plant Signaling and Behavior*** 10(5): e1013794. doi: 10.1080/15592324.2015.1013794.
7. Bolaños-Villegas, P., Yang, X.H., Wang, H.J., Juan, C.T., Chuan, M.H., Makaroff, C., y Jauh, G.Y. 2013. Arabidopsis *CHROMOSOME TRANSMISSION FIDELITY 7* (*AtCTF7/ECO1*) is required for DNA repair, mitosis and meiosis. ***Plant Journal*** 75: 927–940. doi: 10.1111/tpj.12261.

**Selected conferences and meetings:**

1. Mora, J., Albertazzi, S., and Bolaños-Villegas. 2018. Meiotic chromosome analysis in tropical orchid genus *Sobralia*. Orchidées 2018: What Future for Orchids, Annual Meeting of the European Orchid Council, March 24-24, Paris, France.
2. Mora, J., Scott, L., Castro, S and Bolaños-Villegas. 2017. Regulation of embryo development in tropical fruit *Carica papaya*. 1st Meeting of the Young Affiliate Members of TWAS (TWAS/TYAN), August 22-24, Rio de Janeiro, Brazil.
3. Castro, Sergio and Bolaños-Villegas, P. 2017. Analysis of UV tolerance and somatic homologous DNA repair in Mesoamerican homozygous maize lines. 2017 Cold Spring Harbor Asia Conference, May 22-26, Suzhou, China.
4. Bolaños-Villegas, P. 2017. Trends in molecular genetics for agriculture. Workshop in molecular genetics for food security. College of agriculture and veterinary sciences, University of Nairobi, Kenya, December 5-9, Kenya. Organized and sponsored by the German Academic Exchange Service (DAAD).
5. De, K., Bolaños-Villegas, P., Yang, X., Mitra, S., Homan, G., Jauh, G.Y., and Makaroff, C. 2016. The opposing actions of Arabidopsis CTF7 and WAPL1/2: differences in mitotic and meiotic cells. 2016 Meeting of the American Society of Plant Biologists, July 9-13, Austin, USA.

**Participation as editorial reviewer:**

* *PLOS Genetics* (<http://journals.plos.org/plosgenetics/>). (eISSN: 1553-7404). Journal on genetics and genomics published by PLOS (Public Library of Science).
* *PLOS ONE* (http://journals.plos.org/plosone/). (eISSN: 1932-6203). Multidisciplinary Open Access journal published by PLOS (Public Library of Science).
* *Scientia Horticulturae* (<http://www.journals.elsevier.com/scientia-horticulturae>) (ISSN: 0304-4238). International horticulture journal edited by Elsevier/Science Direct.
* *Plant Growth Regulation* (http://www.springer.com/life+sciences/plant+sciences/ journal/10725) (ISSN: 0167-6903, print version, eISSN: 1573-5087). International journal on plant growth and development edited by Springer.