

Irene Martínez Fernández



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Research interests

Geeconomics and International Security, Middle East and Asian Regional Studies, Development Economics and Post-Conflict Reconstruction, Multilateral Financing and International Economic Cooperation

Educational Background

PhD: International Security, National University of Distance Education (UNED) General Gutiérrez Mellado Institute

Master of Science in Development Economics, School of Oriental and African Studies (SOAS), University of London, 2016

Bachelor of Arts (Honors) in Economics, University of Barcelona, 2014

Exchange Experience: University of Montpellier (Economics), Princess Sumaya University for Technology (International Economics), Korea University of Kyung Hee (Asian Economics)

Professional Experience

Current Affiliations: Faculty of Humanities and Sciences, Aga Khan University (Pakistan); Blanquerna-URL University (Barcelona); Earandel Associates (London)

Past Experience: Executive Coordinator and Analyst, Brussels Office, Real Instituto Elcano; Researcher, Economic Research Forum (ERF), Cairo; Associate Researcher, Institute for Statecraft, London; Researcher, CIDOB (Centre d'Estudis per a la Pace i el Desenvolupament Internacional), Barcelona; Lecturer, IBA Business School, Pakistan; Visiting Lecturer, NATO Defense College; Business Consultant specializing in internationalization, strategic development, and foreign trade

Representative Achievements

Monograph: L'islam polític i l'Iran. Les claus per entendre el país dels aiatol·làs (2021)

Journal articles or working papers

- NGATHA carpel development genes evolved in the common ancestor of seed plants Cota, I., Moschin, S., Offer, E., Martínez-Fernández, I., Magnanini, F., Ambrose, B., Nigris, S., Baldan, B., Ferrándiz, C. & Pelaz, S., Oct 2025, In: Plant Journal. 124, 1, e70488.

- Analysis of pea mutants reveals the conserved role of FRUITFULL controlling the end of flowering and its potential to boost yield

Martínez-Fernández, I., Fourquin, C., Lindsay, D., Berbel, A., Balanzà, V., Huang, S., Dalmais, M., LeSignor, C., Bendahmane, A., Warkentin, T. D., Madueño, F. & Ferrándiz, C., 9 Apr 2024, In: Proceedings of the National Academy of Sciences of the United States of

America. 121, 15, e2321975121.

- Seed production determines the entrance to dormancy of the inflorescence meristem of *Pisum sativum* and the end of the flowering period Burillo, E., Ortega, R., Vander Schoor, J. K., Martínez-Fernández, I., Weller, J. L., Bombarely, A., Balanzà, V. & Ferrándiz, C., 1 Jul 2024, In: *Physiologia Plantarum*. 176, 4, e14425.
- Transcription factors HB21/40/53 trigger inflorescence arrest through abscisic acid accumulation at the end of flowering Sánchez-Gerschon, V., Martínez-Fernández, I., González-Bermúdez, M. R., de la Hoz-Rodríguez, S., González, F. V., Lozano-Juste, J., Ferrándiz, C. & Balanzà, V., Aug 2024, In: *Plant Physiology*. 195, 4, p. 2743-2756 14 p.
- Genetic and Phenotypic Analyses of Carpel Development in *Arabidopsis* Balanzà, V., Ballester, P., Colombo, M., Fourquin, C., Martínez-Fernández, I., Ortiz-Ramírez, C. I. & Ferrándiz, C., 2023, *Methods in Molecular Biology*. Humana Press Inc., p. 241-259 19 p. (Methods in Molecular Biology; vol. 2686).
- A cryptic variation in a member of the Ovate Family Proteins is underlying the melon fruit shape QTL fsqs8.1 Martínez-Martínez, C., Gonzalo, M. J., Sipowicz, P., Campos, M., Martínez-Fernández, I., Leida, C., Zouine, M., Alexiou, K. G., Garcia-Mas, J., Gómez, M. D., Tornero, P., Pérez-Amador, M. Á., Esteras, C., Picó, B., Romero, C. & Monforte, A. J., Mar 2022, In: *Theoretical And Applied Genetics*. 135, 3, p. 785-801 17 p.
- Identification of players controlling meristem arrest downstream of the FRUITFULL-APETALA2 pathway Martínez-Fernández, I., de Moura, S. M., Alves-Ferreira, M., Ferrándiz, C. & Balanzà, V., Oct 2020, In: *Plant Physiology*. 184, 2, p. 945-959 15 p.
- Inflorescence Meristem Fate Is Dependent on Seed Development and FRUITFULL in *Arabidopsis thaliana* Balanzà, V., Martínez-Fernández, I., Sato, S., Yanofsky, M. F. & Ferrándiz, C., 18 Dec 2019, In: *Frontiers in Plant Science*. 10, 1622.
- Genetic control of meristem arrest and life span in *Arabidopsis* by a FRUITFULL-APETALA2 pathway Balanzà, V., Martínez-Fernández, I., Sato, S., Yanofsky, M. F., Kaufmann, K., Angenent, G. C., Bemer, M. & Ferrándiz, C., 1 Dec 2018, In: *Nature Communications*. 9, 1, 565.
- Genetic and phenotypic analyses of carpel development in *Arabidopsis* Balanzà, V., Ballester, P., Colombo, M., Fourquin, C., Martínez-Fernández, I. & Ferrándiz, C., 2014, *Flower Development: Methods and Protocols*. Humana Press Inc., p. 231-249 19 p. (Methods in Molecular Biology; vol. 1110).
- Sequential action of FRUITFULL as a modulator of the activity of the floral regulators SVP and SOC1 Balanzà, V., Martínez-Fernández, I. & Ferrándiz, C., Mar 2014, In: *Journal of Experimental Botany*. 65, 4, p. 1193-1203 11 p.
- The CRC orthologue from *Pisum sativum* shows conserved functions in carpel morphogenesis and vascular development Fourquin, C., Primo, A., Martínez-Fernández, I., Huet-Trujillo, E. & Ferrándiz, C., 1 Nov 2014, In: *Annals of Botany*. 114, 7, p. 1535-1544 10 p.
- The effect of NGATHA altered activity on auxin signaling pathways within the *Arabidopsis* gynoecium Martínez-Fernández, I., Sanchís, S., Marini, N., Balanzà, V., Ballester, P., Navarrete-Gómez, M., Oliveira, A. C., Colombo, L. & Ferrándiz, C., 11 May 2014, In: *Frontiers in Plant Science*. 5, MAY, 210.