

Curriculum vitae ANA BELÉN FERIA BOURRELLIER

Current position:

Name of University: Universidad de Sevilla

Department: Biología Vegetal y Ecología-Facultad de Biología

Current position: Profesora Titular de Universidad. From 12/12/2019

Key words: Phosphoenolpyruvate carboxylase, Arabidopsis, Sorghum, seeds, monoubiquitination, autophagy, post-translational modifications.

General indicators of quality of scientific production:

Thesis supervised: 1.

Responsible projects: 1

Projects in which I have participated: 6

Articles: 20 articles, 2 Meeting-Abstracts y 7 book chapters

h-Index WoS: 12

First tertile articles: 17

Times cited: 766 without self-citations.

Curriculum Vitae summary:

I received a degree in Biology from the University of Sevilla (US) and, subsequently, finished a Phd thesis in the department of vegetal biology and ecology at the faculty of Biology (US). The thesis was supervised by Dr. Cristina Echevarria, head of the vegetal physiology group and leading the scientific project Phosphorylation of proteins in plants and the metabolism of carbon (BIO298 of the Andalusian regional government). I presented my Phd thesis in 2005 and received the best grade awarded by Spanish universities (Sobresaliente Cum Laude por Unanimidad). Based on the scientific findings of my thesis we published 3 papers (one in Febs Letters and two in Plant Physiology), three book chapter edited by the ministry of agriculture and fishing and by the University of Salamanca) and 8 conference contributions. Within the three years of my thesis I realized two short term stays at the French Institut de Biotechnologie de Plantes (IBP) of the University of Paris Sud-XI. Based on this scientific collaboration I published together with my French colleagues a paper in Médecine et Sciences. Both stays in France were funded by the Spanish ministry of Science and Technology with a major Spanish-French collaboration (Acciones Integradas Hispano-Francesas: HF2000-0009, of the Ministerio de Ciencia y Tecnología, MICINN). I also participated in a number of projects: two launched by the MICINN, that is one within an agreement USE/Monte (BMC2001-2366-C03-02, PB97-0745-CO2 and P96-04) and one project proper to the MICINN (BFU2007-61431), one excellence project of the regional government of Andalucía (P06-CVI-02186) and one funded by the Spanish ministry of economy and competitiveness (AGL2012-35708). Furthermore, I participated in research projects of the applied sciences, funded by the ministry of agriculture and fishing in collaboration with AIMCRA and US. In addition, we have opened a new line of research on Autophagy in Plants, supported by two projects, one Excellence project from the regional government of Andalucía (P12-FQM-489) and another from the Ministry of Economy and Competitiveness still in force (AGL2016-75413-P) and I am currently responsible for a two-year FEDER project (NUTRISORGO) (US-1251626) on the subject. In addition, in the field of International Cooperation I have participated in two Projects in South America (D / 030418/10 and A1 / 036534/11) and a project funded by the French National Research Agency (ANR)

of the French Ministry (ANR-08-BLAN-0008-01).

I pursued an important 5-year postdoctoral training (2005-2009) in two highly relevant research centers in France, at the Institute of Plant Biotechnology (IBP), a mixed center between the University of Paris Sud-XI and the Centre National de Recherche Scientifique (CNRS) and at the National Institute of Recherche Agronomic (INRA) in Versailles. These scientific collaborations were funded with postdoctoral scholarships granted by the Alfonso Martín Escudero Foundation and by the Agence Nationale de la Recherche de la République Française. As a result of my stay at these institutions I have published 8 articles, a BBRC, a Curr. Opin. Chem. Biol one Plant and Cell Physiology, three Plant Journal and two with the highest impact index in their category: a

Plant Cell and a PNAS. These works have been presented at 6 international conferences in Madrid, Zaragoza, Paris, Lancaster, Berlin, and Glasgow. Reincorporated to the US (2010-2020) I have published 3 book chapters and 11 scientific articles, 10 of them in the first tertile: a Plants, a Plant Biology, four Plant, a Journal Experimental Botany, a Journal of Plant Physiology, a Plant Physiology and Biochemistry and a Plant Journal. In addition, I have participated in 20 communications to international conferences in Zaragoza, Toledo, Castellón, Seville, Lisbon, Dublin, Czech Republic, Madrid, Barcelona, Edinburgh, Copenhagen, Pamplona, Cáceres, Vigo and Turin.

Scientific articles :

- 1_ Alvarez et al., (2003). *Plant Physiology* 132 (2):1097-1106. JCR IF: 5,63 D1
- 2_Monreal et al., (2007). *FEBS Lett* 581: 3468-3472. JCR IF: 3,26 Q2
- 3_Vidal (2007) *MS-Med Sci* 23: 18-20. JCR IF: 0,34 Q4
- 4_Feria AB et al., (2008). *Plant Physiology* 148(2):761-774. JCR IF: 6,11 D1
- 5_Feria-Bourrellier AB., et al., (2009). *Biochemical and Biophysical Research Communications. BBRC* 387(4):700-704. JCR IF: 2,55 Q3
- 6_Daniel-Vedele et al., (2009). *Comparative Biochemistry and Physiology, Part A.* 153: S186. Meeting abstracts JCR IF: 2,19 Q1
- 7_Baud et al., (2010). *The Plant Journal* 64(2):291–303. JCR IF: 6,95 D1
- 8_Feria-Bourrellier AB., et al., (2010). *Proceedings of the National Academy of Sciences of the United States of America. PNAS* 107 (1): 502-507. JCR IF: 9,77 D1
- 9_Alvarez et al., (2011). *Plant Biology* 13(1): 16-21. JCR IF: 2,40 Q2
- 10_Kiba and Feria-Bourrellier et al., (2011). *Plant and Cell Physiology Supplement n°52 Meeting abstracts* JCR IF: 4,7 Q1
- 11_Kiba and Feria-Bourrellier (2012). *Plant Cell* 24: 245-258. JCR IF: 9,25 D1
- 12_Monreal et al., (2013). *Planta* 238:859-869. JCR IF: 3,37 Q1
- 13_Ruiz-Ballesta et al., (2014). *Journal of Experimental Botany* 65 (2): 443-451. JCR IF: 5,52 D1
- 14_Lezhneva et al., (2014). *The Plant Journal.* 80: 230-241. JCR IF: 5,97 D1
- 15_Arias-Baldrich et al., (2015) *Journal of Plant Physiology* 183: 121-129. JCR IF: 2,97 Q1
- 16_Feria AB et al., (2016). *Planta* 244 (4): 901-913. JCR IF: 3,36 Q1
- 17_Baena et al., (2017). *Planta* 246:1203-1214. JCR®: SCIE Plant Sciences: 33/223 Q1 Impact Factor (2017): 3,249
- 18_Gandullo et al., (2021). *Planta* 254(3): 43-54. JCR®: SCIE Plant Sciences: 44/239 Q1 Impact Factor (2021): 4,540
- 19_Baena et al., (2021). *Plants* 10(12): 1-17. JCR®: SCIE Plant Sciences: 39/239 Q1 Impact Factor (2021): 4,658

20_de la Osa et al., (2022). *Plant Journal* 111, 231–249. JCR®: SCI Plant Sciences: 17/239 D1 Impact Factor (2021): 7,091

21_Feria AB et al., (2022). *Plant Physiology and Biochemistry* 190, 70–80. JCR®: SCI Plant Sciences: 28/239 Q1 Impact Factor (2021): 5,437

22_Pérez-López et al., (2023). *Environmental and Experimental Botany* 205 JCR®: SCIE Plant Sciences: 23/239 D1 Impact Factor (2021): 6,028

23_de la Lama-Calvente et al., (2023). *GCB Bioenergy* 15 (3), 265-381. JCR®: SCI Agronomy: 9/90 D1 Impact Factor (2021): 5,957