

BARRES GONZÁLEZ, LAIA

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Driving license



Profile

Evolutionary biologist specialized in biogeography and the use of molecular phylogenies with interest in education for sustainability and in science museums.

Education

2013 PhD in plant molecular biology, Universitat de Barcelona. Dissertation titled “Phylogenetic and phylogeographic studies of *Cardueae* tribe and *Euphorbia* genus”. Supervisors at the Institut Botànic de Barcelona (CSIC-ICUB): Roser Vilatersana and Mercè Galbany-Casals.

2008 MSc in Biodiversity, Universitat de Barcelona.

2008 MSc in Science Teaching (CAP), Universitat de Barcelona.

2007 Bachelor in Biology specialized in organisms and systems undergraduate studies, Universitat de Barcelona. Erasmus-Sócrates Scholarship at the Université Montpellier II, France. 2004 - 2005.

Courses and congresses

2013 Course “Opening Science: links between research and society”. Observatori de la difusió de la ciència, Universitat Autònoma de Barcelona and Fundació La Caixa. 30 hours.

2013 Program of scientific, technologic and mathematical formation. Departament d'Educació de la Generalitat de Catalunya. 30 hours.

2011 Amurga Foundation International Conferences on Insular Biodiversity 2011. Jardín Botánico Canario Viera y Clavijo (CSIC – Cabildo de Gran Canaria).

2010 Laboratory training course at the Pritzker Laboratory for Molecular Systematics and Evolution. The Field Museum, Chicago, IL, EUA.

2010 II Catalan Conferences of Flora Conservation, Institut Botànic de Barcelona (CSIC-ICUB).

2009 Biodiversity and biogeography studies: a molecular approach. Gonzalo Giribert, Universitat de Barcelona.

2007 Web of Science 8.0 workshop. Thomson Scientific y FECYT (Ministerio de Educación y Ciencia, España).

Experience

05.2014 – present Education team coordinator at the Natural Science Museu of Barcelona. Nusos. Activitats Científiques i Culturals SCCL.

2011 – 04.2014 Educator, Nusos. Activitats Científiques i Culturals SCCL. in the Natural Science Museum of Barcelona.

2007 - 2011 Predoctoral scholarship FPI. Institut Botànic de Barcelona (CSIC-ICUB).

2007 Educator, La Vola at CosmoCaixa Science Centre, Barcelona.

2006 - 2007 Educator, ITACA.

2005 - 2006 Educator, ECOIMA.

2004- 2005 Leonardo Da Vinci fellowship, Centre d'Ecologie Fonctionnelle et Evolutive (CNRS), Montpellier, France.

Voluntary experience

2011 - 2013 Member of the urban garden “Hortet de la Farga” in Barcelona. Construction, agriculture and the promotion of social cohesion within the neighborhood.

2007 FAMAR Environmental Volunteering Program, marine macrophytes studies. Bahía de Cádiz Natural Park.

2005 - 2006 Educator of immigrant children. Migra Studium association in Barcelona.

Languages

Catalan and Spanish native speaker.

Catalan: European D level, Universitat Autònoma de Barcelona, 2012.

English: European C1 level, Institut d'Estudis Nord-americans, 2008.

French: european B1 level, Escola Oficial de Idiomes, 2013.

Publications

Barres, L., Martinell, M.C. & López-Pujol, J. 2010. Assajos preliminars per a l'estudi de la diversitat genètica d'*Euphorbia margalidiana* (Euphorbiaceae) amb electroforesi d'isoenzims a: López-Pujol, J., Montserrat, J.M. & Susanna, A. (eds.), *Llibre de resums de les II Jornades Catalanes de Conservació de Flora*: 49.

Barres, L., Vilatersana, R., Molero, J., Susanna, A & Galbany-Casals, M. 2011. Molecular phylogeny of *Euphorbia* subgen. *Esula* sect. *Aphyllis* (Euphorbiaceae) inferred from nrDNA and cpDNA markers with biogeographic insights. *Taxon* 60: 705-720.

- Susanna, A., Galbany-Casals, M., Romaschenko, K., **Barres, L.**, Martín, J. & Garcia-Jacas, N. 2011. Lessons from *Plectocephalus* (Compositae, Cardueae-Centaureinae): ITS disorientation in annuals and Beringian dispersal as revealed by molecular analyses. *Annals of Botany* 108: 263-277.
- Mráz, P., Garcia-Jacas, N., Gex-Fabry, E., Susanna, A., **Barres, L.** & Müller-Schärer, H. 2012. Allopolyploid origin of highly invasive *Centaurea stoebe* s.l. (Asteraceae). *Molecular Phylogenetics and Evolution* 62: 612-623.
- Riina, R., Peirson, J. A., Geltman, D. V., Molero, J., Frajman, B., Pahlevani, A., **Barres, L.**, Morawetz, J. J., Salmaki, Y., Zarre, S., Kruyukov, A., Bruyns, P. V. & Berry, P. E. 2013. A worldwide molecular phylogeny and classification of the leafy spurges, *Euphorbia* subgenus *Esula* (Euphorbiaceae). *Taxon* 62: 316-342.
- Barres, L.**, Sanmartín, I., Anderson, C. L., Susanna, A., Buerki, S., Galbany-Casals, M. & Vilatersana, R. 2013. Reconstructing the evolution and biogeographic history of tribe Cardueae (Compositae). *American Journal of Botany* 100: 867-882.