

Curriculum Vitae



Personal information

First name / Family name	José Luis Blanco Pastor		
Address(es)			
Telephone			
Mobile			
E-mail	<a href="mailto:jlblancopastor@gmail.com">jlblancopastor@gmail.com</a>		
Nationality	Spanish		
Date of birth			
Gender	Male		

Personal statement and statement of intent

I have successfully finished an Msc in Biodiversity and Conservation Biology and a PhD in Plant Evolution. I obtained the maximum qualification for my PhD (*sobresaliente cum laude por unanimidad*) and it was awarded with an "Extraordinary PhD Thesis Award", at the Pablo de Olavide University. During and after my PhD I completed three short stays in different research centres (Sweden, Spain and USA). I have complemented my education with four postgraduate courses: three on phylogenetics (two of them held in Spain and one in Sweden) and one course on population genetics (held in France). Shortly after my thesis dissertation I was awarded a Marie Curie Intra-European Fellowship with a total score of 95.30/100. I have supervised a bachelor's degree project and a master's degree project. Up to date my publication record includes 8 SCI research papers and one book chapter (5 papers as first author; 105 citations,  $I_h = 6$ ,  $I_{10} = 4$ ; 11 November 2015, Google Scholar). I have participated in 6 national congresses and 5 international congresses with 14 contributions.

In my current research institution, I am leading the *AlfalfaEvolution* project, which is focused in one of the most important forage species (*Medicago sativa*; Alfalfa or Lucerne), which is one of the agricultural species targeted by the INRA P3F unit. My current project under development at the University of Gothenburg shares similarities with the post-doctoral research proposal *GrassClim* with regard to the methodologies used and the objectives targeted. In both projects, I make use of Landscape Genomics tools to detect adaptation to climate and use new Phylogeographic methods. The objectives are also fairly similar; in both projects I aim to: - identify signatures of climatic adaptation and environmental variables driving the adaptation, - investigate the possible function of the loci driving adaptation, - assess genetic structure, migration routes and demographic history of a forage plant species.

In the short and medium term I would like to diversify my research experience and extend my current knowledge in the field of Landscape Genomics. I would like to develop complementary skills such as project management, dissertation and technology transfer. I would like to expand my current network of collaborators

and my visibility in the scientific community, increase my publication record and publish in the best journals. In the long term I would like to become more competitive, and finally obtain a permanent research position in science.

I have decided to apply for an *Agreenskills* fellowship because the lab proposal on which my application is based is directly related to my current line of research. The hosting labs (INRA P3F research unit in Lusignan and EPHE-CEFE in Montpellier) are excellent and the project will be developed within the frame of a sound European size project (*GrassLandscape*) funded by the FACCE-JPI and coordinated by Jean-Paul Sempoux from INRA P3F unit (one of my two mentors). I am very motivated by the goals of the *GrassLandscape* project which are to use the Landscape Genomics framework to prepare the adaptation of an economically important grassland species to forthcoming anthropogenic climate change and by the fact that this project will generate a great amount of very exciting data. I will be in a position to bring my expertise in Landscape Genomics, Species Distribution Models and Phylogeography and to introduce new innovative methods to analyse data generated by the *GrassLandscape* project. This project is at the frontier between Ecological Genetics (including Landscape Genomics) in one hand and Quantitative genetics and Plant breeding on the other hand. I am very keen on conceiving a post-doctoral research based on such a multidisciplinary project. I also greatly appreciate the opportunity that the hosting labs offer me to contribute to a follow-up of the *GrassLandscape* project which will concretely build for adaptation of perennial ryegrass to climate change using the plant breeding methodological concepts. Landscape Genomics, as a framework to detect genes under selection in natural populations, is an invaluable approach to screen genetic resources for plant breeding in a completely novel and unexplored way. This approach opens very promising opportunities to use genetic resources to face the impacts of anthropogenic climate change in cultivated species.

My profile and my expertise will complement skills of partners in the *GrassLandscape* project. My post-doctoral research will enable to extract more reliable and useful knowledge from this project and will contribute to set up more efficient strategies to adapt perennial ryegrass to climate change. My skills will also complement those of the hosting unit INRA P3F which is mainly involved in Quantitative genetics, Plant breeding and Ecophysiology. Promoting interactions between my disciplinary field and those of INRA P3F unit will be a very stimulating experience for me. I am also very motivated for the mentoring of Stéphanie Manel (EPHE-CEFE) who is top-ranked scholar expert in the field of Landscape Genomics and to contribute to interactions between the INRA P3F research unit and EPHE-CEFE.

During my research career I have built a collaboration network that can provide added value to the research conducted at INRA UR3P Unit. That includes experts in: plant breeding (Charles Brummer, Director at Plant Breeding Center and Professor at Plant Sciences Department of University of California, Davis, USA), genetics of the legume family (Jeff J. Doyle, Professor at the Department of Plant Biology and at the Department of Plant Breeding and Genetics at Cornell University, USA; Bernard E. Pfeil, Senior Lecturer and Associate Professor at the Department of Biological and Environmental Sciences at The University of Gothenburg, Sweden) and Landscape Genomics (Rose Andrew, Lecturer at School of Environmental & Rural Sciences at University of New England, Australia) among others. Recently I attended a course focused on the methods for detecting genes involved in local adaptation (organised by CNRS TIMC-IMAG and INRA CBGP). This

	<p>course drew attention to the state-of-the-art methods on Landscape Genomics. My network and my commitment to update my skills reinforce my personal added-value to collaborate to the <i>GrassLandscape</i> project.</p> <p>During the next three years and under the frame of this project I will establish a strong collaborative network within INRA and EPHE-CEFE as well as within other institutions in France and across the World. I consider this <i>Agreenskills</i> fellowship an excellent opportunity for me to establish a strong position in the INRA plant genetics community. My profile will bring complementary skills to this community and will be at the frontiers of Landscape Genomics and plant breeding. This post-doctoral position can potentially constitute my gateway to a permanent position in INRA or other European research institution.</p>
--	---

### Education and training

Location and dates	Sevilla (Spain) and Madrid (Spain). 2009-2014
Title of qualification awarded	International doctoral degree in Environmental Studies. PhD in Plant Evolution.
Principal subjects/occupational skills covered	PhD title: Analysis of factors responsible for the evolution of angiosperms during the Quaternary: a macro- and micro-evolutionary study in <i>Linaria</i> sect. <i>Supinae</i> . Subjects covered: Phylogenetics, Phylogeography, Biogeography, Systematics, Population Genetics, Conservation Biology, Pollination ecology, Ecological Niche Modelling,
Name of Institute	Universidad Pablo de Olavide (Sevilla) & Real Jardín Botánico de Madrid - Spanish National Research Council (CSIC)

Location and dates	Sevilla (Spain). 2008-2009
Title of qualification awarded	Master's degree in Biodiversity and Conservation Biology
Principal subjects/occupational skills covered	Subjects covered in the master's project: Phylogenetics and Systematics. Subjects covered in lectures: Evolution, Coevolution, Biological diversity, Demographic models, Reproductive biology, Conservation biology, Theoretical Ecology, Mediterranean Ecosystems, Phylogenetics- Molecular Systematics, Population genetics, Landscape ecology, Biological invasions, Ecological effects of parasites and diseases, R language, statistics in R, evolutionary ecology in R, Manuscript writing, Project management, Dissertation techniques, Geographical Information Systems in conservation biology, the comparative method in Ecology, Island Ecology, Taxonomy, restoration techniques, Phylogeography and the coalescent theory, Climatic change.
Name of Institute	Universidad Pablo de Olavide (Sevilla) and Estación Biológica de Doñana (CSIC)

## Work experience

Location and dates	Göteborg (Sweden) - 2014-05-01/2016-04-30
Occupation or position held	Postdoctoral researcher. Marie Curie Fellow. Full Time
Main activities and responsibilities	Design of research, Lab work, computer analyses, manuscript writing. Principal subjects/occupational skills covered: Project management, Seed germinations, flow cytometry, DNA Extractions, NGS GBS library preparation, SNPs filtering, Collection of fine-scale environmental GIS layers, Landscape Genomics analyses including association-based and differentiation based analyses, analyses of population structure, computer simulations of population dynamics, Gene-Ontology analyses, phylogeographic analyses, hybridisation/gene flow analyses.
Name of employer	Department of Biological and Environmental Sciences. University of Gothenburg. Supervised by Bernard E. Pfeil

Location and dates	Madrid (Spain)
Occupation or position held	PhD student. Full time
Main activities and responsibilities	Design of research, Field work, Lab work, computer analyses, manuscript writing (see "Education and Training" section)
Name of employer	Real Jardín Botánico de Madrid. Spanish National Research Council (CSIC). Supervised by Pablo Vargas

Location and dates	Sevilla (Madrid)
Occupation or position held	Research assistant. Traineeship during Bachelor's Degree
Main activities and responsibilities	Lab work, computer analyses (see "Education and Training" section)
Name of employer	Universidad Pablo de Olavide (Sevilla). Department of Physical, Natural and Chemical Systems. Supervised by Modesto Luceño

## Languages

Mother tongue(s)	Spanish				
Other language(s)	<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>
<i>European level (*)</i>	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
French	A2	A2	A2	A2	A2
<i>(*) Common European Framework of Reference for Languages</i> <a href="http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr">http://europass.cedefop.europa.eu/en/resources/european-language-levels-cefr</a>					

## Academic Record

Publications	<p><b>Accepted, in press and published articles / papers:</b></p> <ol style="list-style-type: none"> <li>2015 - <b>Blanco-Pastor, J.L.</b>, Ornos, C., Romero, D., Liberal, I., Gómez, J.M. &amp; Vargas, P. Bees explain floral variation in a recent radiation of <i>Linaria</i>. <i>Journal of Evolutionary Biology</i>, 28 (4): 851–863</li> <li>2014 - Vargas, P., Valente, L.M., <b>Blanco-Pastor, J.L.</b>, Liberal, I., Guzmán, B., Cano, E., Forrest, A. &amp; Fernández-Mazuecos, M. Testing biogeographic congruence of palaeofloras using molecular phylogenetics: snapdragons and the Madrean-Tethyan flora. <i>Journal of Biogeography</i>, 41 (5): 932-943</li> <li>2013 - Fernández-Mazuecos, M., <b>Blanco-Pastor, J.L.</b>, Gómez, J.M. &amp; Vargas, P. Corolla morphology influences diversification rates in bifid toadflaxes (<i>Linaria</i> sect. <i>Versicolores</i>). <i>Annals of Botany</i>, 112 (9): 1705-1722</li> <li>2013 - <b>Blanco-Pastor, J.L.</b> &amp; Vargas, P. Autecological traits determined two evolutionary strategies in Mediterranean plants during the Quaternary: low differentiation and range expansion versus geographical speciation in <i>Linaria</i>. <i>Molecular Ecology</i> 22, 5651–5668</li> <li>2013 - <b>Blanco-Pastor, J.L.</b>, Fernández-Mazuecos, M., &amp; Vargas, P. Past and future demographic dynamics of alpine species: limited genetic consequences despite dramatic range contraction in a plant from the Spanish Sierra Nevada. <i>Molecular Ecology</i> 22, 4177–4195</li> <li>2013 - Fernández-Mazuecos, M.*, <b>Blanco-Pastor, J.L.*</b> &amp; Vargas, P. A Phylogeny of toadflaxes (<i>Linaria</i> Mill.) based on Nuclear Internal Transcribed Spacer sequences: systematic and evolutionary consequences. <i>International Journal of Plant Sciences</i>, 174, 234-249. (*<b>Equal contribution</b>).</li> <li>2012 - <b>Blanco-Pastor, J.L.</b>, Vargas, P. &amp; Pfeil, B.E. Coalescent simulations reveal hybridization and incomplete lineage sorting in Mediterranean <i>Linaria</i>. <i>PLoS ONE</i>, 7 (6), e39089.</li> <li>2011 - Rumeu, B., Caujapé-Castells, J., <b>Blanco-Pastor, J.L.</b>, Jaén-Molina, R., Nogales, M., Rui Bento, E. &amp; Vargas, P. The colonization history of <i>Juniperus brevifolia</i> (Cupressaceae) in the Azores islands. <i>PLoS ONE</i>, 6 (11), e27697.</li> </ol> <p><b>Submitted publications:</b></p>
Presentations as invited speaker	-
Authored books or book chapter(s)	<ol style="list-style-type: none"> <li>Vargas, P., Ornos, C., <b>Blanco-Pastor, J.L.</b>, Romero, D., Fernández-Mazuecos, M., Rodríguez-Gironés, M.A. (2013). En búsqueda de áreas de diversidad genética en Sierra Nevada: análisis de plantas y abejas. En: Ramírez, L., Asensio, B. (eds.). <i>Proyectos de investigación en parques nacionales: 2009-2012</i>, pp. 123-142. Organismos Autónomo de Parques Nacionales. Madrid. ISBN 978-84-8014-853-5.</li> </ol>
Participation in open calls for proposals as contributor or leader	<p><b>Participation in research projects (Contributor)</b></p> <ul style="list-style-type: none"> <li>Study of reintroduction methods of the Northern Bald Ibis (<i>Geronticus eremita</i>) in La Janda region (Cádiz, Spain). Junta de Andalucía. Zoobotánico de Jerez. PI: Jose Manuel Lopez Vázquez. 2005</li> <li>Partition of deformation in lateral zones of orogenic arcs: characterization of the cases in southwestern Iberia. code- BTE2003 – 05057 – CO2 – 02. Ministerio de Educación y Ciencia. Universidad Pablo de Olavide. Department of Physical, Chemical and Natural Systems. PI: Juan Carlos Balanyá Roure. 2005-2006</li> <li>Genetic and evolutionary analyses for conservation diagnostics of Andalusian plant endemics. Junta de Andalucía. Universidad Pablo de Olavide. Department of Molecular Biology and Biochemistry Engineering. PI: Modesto</li> </ul>

	<p>Luceño Garcés. 2007-2008</p> <ul style="list-style-type: none"> <li>Looking for biodiversity areas in Sierra Nevada (Spain): barcoding techniques applied to Angiosperms (tribe Antirrhineae), pollinators (bees) and their interactions. code-005/2008. Red de Parques Nacionales, Ministerio de Medio Ambiente. Real Jardín Botánico. PI: Pablo Vargas Gómez. 2009-2012</li> <li>The evolution of the personate flower. code- CGL2009-10031. Ministerio de Ciencia e Innovación. Real Jardín Botánico. PI: Pablo Vargas Gómez. 2009-2012</li> </ul> <p><b>Participation in research projects (Leader)</b></p> <ul style="list-style-type: none"> <li>Adaptation and evolution of wild alfalfa: a genomic approach (AlfalfaEvolution). code: FP7-PEOPLE-2013-IEF- 625308. Marie Curie Intra European Fellowship. European Commission. 2014-2016</li> </ul>
Graduate teaching as lecturer or training coordinator	<ul style="list-style-type: none"> <li>2012/2013 - Supervision of a Bachelor's Degree Final Project. Universidad Complutense de Madrid. Department of Zoology and Physical Anthropology. 18 ECTS Credits</li> <li>2014/2015 - Supervision of a Master's Degree Project. Pablo de Olavide University. Department of Molecular Biology and Biochemistry Engineering. 18 ECTS Credits</li> </ul>
Awards and prizes, if any	<ul style="list-style-type: none"> <li>Extraordinary PhD Thesis Award, in its call 2013-2014. Universidad Pablo de Olavide. Department of Molecular Biology and Biochemistry Engineering.</li> </ul>

### Collaboration and Networking

Participation in collaborative projects funded by competitive programmes ( <i>specify if at leading position</i> )	<p><b>Participation in research projects (Leader)</b></p> <p>Adaptation and evolution of wild alfalfa: a genomic approach (<i>AlfalfaEvolution</i>). code: FP7-PEOPLE-2013-IEF- 625308. Marie Curie Intra European Fellowship. European Commission. 2014-2016.</p> <p><b>Network established:</b></p> <p>Bernard E. Pfeil (University of Gothenburg, Gothenburg, Sweden) Stephan Nylander (Swedish Museum of Natural History, Stockholm, Sweden) Rose L. Andrew (University of New England, Armidale, Australia) Charles Brummer (University of California, Davis CA, USA) Muhammet Sakiroglu (Kafkas University, Kars, Turkey) Jeff J. Doyle (Cornell University, Ithaca NY, USA)</p>
Partnerships or experience with industry	-
University or post-graduate programme leader	-
Graduate teaching as lecturer or training coordinator; PhD supervision	-
Membership of professional bodies and committees	-

### Research management, Technology transfer, and Communication

Team management	-
Technological platform management	-
Consultancy for the public or private sector	-

**Other experience and skills relevant to the application**

**Short stays in research centres and activities performed:**

- Department of Plant and Environmental Sciences. University of Gothenburg. Sweden. August 14 - November 11, 2011. Hybridization analyses
- Department of Ecology. Faculty of Sciences. Universidad de Granada. Spain. January 8 - March 4, 2012. Geometric morphometrics analyses
- Department of Plant Sciences. University of California, Davis. USA. January 18 - February 7, 2015. NGS Library preparation (GBS)

**Postgraduate courses**

- Comparative Analyses in Phylogenies. Universidad de Sevilla. March 9-13, 2009.
- Phylogenies and Genealogies of DNA: Inferences and Applications. 9th Edition. Universitat de Barcelona and IRBio. July 5-15, 2011.
- Species Tree Phylogenetics. Forbio and University of Gothenburg. Kristineberg Marine Research Station, Sweden. October 20-24, 2014.
- Software and Statistical Methods for Population Genetics (SSMPG 2015): Methods for detecting genes involved in local adaptation. CNRS TIMC-IMAG and INRA CBGP. Aussois, Vanoise national park, France. September 7-11, 2015.

**Review assignments for the following scientific journals: (publons.com/a/393218/):**

- 2015 Reviewed for Plant Ecology and Evolution
- 2015 Reviewed for Journal of Biogeography
- 2014 Reviewed for New Phytologist
- 2014 Reviewed for New Phytologist
- 2014 Reviewed for Botanical Journal of the Linnean Society
- 2014 Reviewed for Molecular Ecology
- 2013 Reviewed for Plant Biology
- 2013 Reviewed for Plant Systematics and Evolution
- 2013 Reviewed for PLOS ONE

**Experience with scientific software**

- DNA alignment, assembly
  - Geneious, MEGA
- Phylogenetics, biogeography, phylogeography, population genetics
  - jModeltest, PhyML, TNT, SeqState, TCS, BEAST, \*BEAST, DPA-BEAST, Genalex, DnaSP, Arlequin, RDP, Mesquite, r8s, RAxML, CONSEL, SAMOVA, Genodive, MrBayes, Migrate-n, S-DIVA, Lagrange, diversitree (R package), geiger (R package), vegan (Rpackage), DensiTree, SiMAP, HyPhy
- Statistics
  - SPSS, Statistica
- Geometric morphometrics
  - tpsDig, tpsRelw
- Species distribution models
  - Maxent
- GIS software
  - ArcGIS, QGIS
- NGS data management
  - Tablet
  - SAMtools

- CLC-mapper
- TASSEL
- GATK
- SNPSift
- Landscape Genetics
  - outFLANK
  - SelEstim
  - hapFLK/FLK
  - PCAdapt
  - LEA
  - BAYPASS

#### Laboratory techniques

- DNA extraction
- PCR of plastid and nuclear sequences
- AFLP genetic fingerprinting
- Low-copy nuclear genes scanning
- Nuclear haplotype data gathering through in vivo cloning
- DNA primers design including allele-specific primers
- Pollen and Chromosome counting in optical microscope
- Flow cytometry for ploidy-level determination
- NGS - RAD-seq (GBS) library preparation

#### Congresses and meetings attendance

- II Andalusian Congress of Sustainable Development and VI Andalusian Congress of Environmental Sciences. Cádiz, Spain. 12-14 April 2007.
- I Congress of the Spanish University Network for Climate Change. Salamanca, Spain. 07-09 November 2007
- International Symposium “Darwin and Evolution: 150 years of Natural Selection”. Madrid, Spain. 23-24 November 2009.
- Research meeting of the National Park and Natural Park of Sierra Nevada (Spain): Observatory for Global Change. Granada, Spain. 23-24 February 2012.
- Adapting to Global Change in the Mediterranean Hotspot. Sevilla, Spain. 18-20 September 2013.

#### Congresses and meetings participation

- III Scientific Meeting at Real Jardín Botánico (CSIC). Madrid. Spain. 2009
  - **J.L. Blanco-Pastor** & P. Vargas. Molecular systematics of *Linaria* sect. *Supinae*. Oral presentation.
- IV Scientific Meeting at Real Jardín Botánico (CSIC). Madrid. Spain. 2010
  - **J.L. Blanco-Pastor** & P. Vargas. Can Baker’s rule apply to *Linaria* evolution? Oral presentation.
- 8<sup>th</sup> Meeting of the Flower Ecology working group of the Spanish Association for Terrestrial Ecology (AEET) “Ecoflor 2011”. Toledo. Spain. February 2011.
  - **J.L. Blanco-Pastor** & P. Vargas. Divergent evolution in Mediterranean *Linaria* lineages supports Baker’s rule. Oral presentation.
- 12<sup>th</sup> European Ecological Federation Congress. “Responding to Rapid Environmental Change”. 10<sup>th</sup> Annual Conference of the Spanish Association for Terrestrial Ecology. Ávila. Spain. September 2011.
  - B. Rumeu, J. Caujapé-Castels, **J.L. Blanco-Pastor**, R. Jaén-Molina, M.



	<p>Nogales, E. Rui Bento &amp; P. Vargas. The colonization history of <i>Juniperus brevifolia</i> (Cupressaceae) in the Azores Islands. Poster presentation.</p> <ul style="list-style-type: none"> <li>• XVIII International Botanical Congress (IBC). Melbourne. Australia, July 23-30, 2011       <ul style="list-style-type: none"> <li>○ M. Fernández-Mazuecos, <b>J.L. Blanco-Pastor</b>, A. Juan, M. F. Fay, Ll. Sáez &amp; P. Vargas. First insights into the phylogeny of toadflaxes (<i>Linaria</i> Mill., Antirrhineae): systematic, evolutionary and biogeographic implications. Poster presentation.</li> </ul> </li> <li>• III Congress of the Spanish Association for Evolutionary Biology (SESBE). Madrid. Spain. November 21-25, 2011.       <ul style="list-style-type: none"> <li>○ <b>J.L. Blanco-Pastor</b>, B.E. Pfeil &amp; P. Vargas. The reticulate evolution of <i>Linaria</i> sect. <i>Supinae</i> (Antirrhineae). Poster presentation.</li> <li>○ M. Fernández-Mazuecos, <b>J.L. Blanco-Pastor</b>, E. Cano, I. Liberal &amp; P. Vargas. Biogeography at the macro- and microevolutionary level in genus <i>Linaria</i> Mill. Oral presentation.</li> </ul> </li> <li>• 10<sup>th</sup> Meeting of the Flower Ecology working group of the Spanish Association for Terrestrial Ecology (AEET) "Ecoflor 2013". Sevilla. Spain. February 2013.       <ul style="list-style-type: none"> <li>○ <b>J.L. Blanco-Pastor</b>, M. Fernández-Mazuecos &amp; P. Vargas. Past, present and future of the Sierra Nevada endemic plant <i>Linaria glacialis</i>: distribution models and effective population size through time. Oral presentation           <ul style="list-style-type: none"> <li>▪ M. Fernández-Mazuecos, <b>J.L. Blanco-Pastor</b> &amp; P. Vargas. Restrictive flower traits determine evolutionary optima with differential diversification rates in <i>Linaria</i>. Oral presentation</li> </ul> </li> </ul> </li> <li>• XIV Congress of the European Society for Evolutionary Biology (ESEB). Lisboa. Portugal. August 19-24, 2013.       <ul style="list-style-type: none"> <li>○ M. Fernández-Mazuecos, <b>J.L. Blanco-Pastor</b> &amp; P. Vargas. Pollinator-restrictive flower traits determine evolutionary optima with differential diversification rates in bifid toadflaxes (<i>Linaria</i> sect. <i>Versicolores</i>). Oral presentation</li> <li>○ <b>J.L. Blanco-Pastor</b>, B.E. Pfeil &amp; P. Vargas. Systematics in presence of reticulation and incomplete lineage sorting: the case of <i>Linaria</i> sect. <i>Supinae</i>. Poster presentation</li> </ul> </li> <li>• I.M. Liberal, <b>J.L. Blanco-Pastor</b>, B.E. Pfeil &amp; P. Vargas. Accommodating hybrid/introgressed lineages in the multispecies coalescent: the complex evolutionary history of <i>Antirrhinum</i> unraveled. Poster presentation</li> <li>• 11<sup>th</sup> Meeting of the Flower Ecology working group of the Spanish Association for Terrestrial Ecology (AEET) "Ecoflor 2014". Cádiz. Spain. February 2014.       <ul style="list-style-type: none"> <li>○ <b>J.L. Blanco-Pastor</b>, M. Fernández-Mazuecos &amp; P. Vargas. Bee morphotypes explain floral variation in a radiation of <i>Linaria</i> species. Oral presentation</li> </ul> </li> <li>• Modern Phylogenetic Comparative Methods and their Application in Evolutionary Biology. International Conference. Sevilla. Spain. November 11-15, 2014.       <ul style="list-style-type: none"> <li>○ M. Fernández-Mazuecos, <b>J.L. Blanco-Pastor</b>, C. Martínez-Pérez, B. Guzmán, P. Vargas &amp; B. J. Glover. Are floral nectar spurs a key innovation in angiosperms? A phylogenetic comparative analysis of snapdragons and relatives. Oral presentation</li> </ul> </li> <li>• International Plant and Animal Genome Conference (PAG XXIII). San Diego. California. USA. January 10-14, 2015.       <ul style="list-style-type: none"> <li>○ I.M. Liberal, <b>J.L. Blanco-Pastor</b>, P. Vargas &amp; B.E. Pfeil.</li> </ul> </li> </ul>
--	---

	Heterogeneous Signals of Selection in <i>Antirrhinum</i> . Poster presentation
--	--

### Scientific References

Full name	Pablo Vargas Gómez
Position	Senior Research Scientist
Institution	Consejo Superior de Investigaciones Científicas (CSIC)
Email address	vargas@rjb.csic.es

Full name	Isabel Sanmartín Bastida
Position	Senior Research Scientist
Institution	Consejo Superior de Investigaciones Científicas (CSIC)
Email address	isanmartin@rjb.csic.es

Full name	Bernard E. Pfeil
Position	Senior Lecturer and Associate Professor
Institution	University of Gothenburg (Gothenburg, Sweden)
Email address	bernard.pfeil@bioenv.gu.se

### How did you hear about AgreenSkills programmes?

<i>Please indicate here how you first heard of the AgreenSkills programmes (e.g. university call for submissions, job mailing list/website, magazine advertisement, etc.)</i>	Job announcement in the EvolDir mailing list
---	--