



José Antonio Abelenda Vila

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Date of document: 22/02/2024

v 1.4.3

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

I obtained my degree in Biology and Biotechnology at the University of Santiago de Compostela. After my graduation, I got a fellowship to do my Ph.D. in the Department of Plant Physiology under Prof. Dr. Ignacio Zarra's supervision. My thesis project focused on the study of cell wall biology in mono- and dicotyledonous spp. As a Ph.D. student, I did a stay in the Complex Carbohydrate Research Center in Athens (GA, USA), where I worked under the supervision of Dr. William York. I learned new analytical tools to study oligosaccharide compounds that I applied later to improve my host lab's cell walls' characterization approach.

After my Ph.D., I moved to the laboratory of Prof. Dr. Salomé Prat in CNB (Madrid) to participate in the EU-SOL project, a multinational effort involving more than 30 countries worldwide aiming to sequence Solanaceous crops and develop new varieties and genomic tools. In the CNB, we made outstanding contributions addressing fundamental questions of plant biology. We were the first group to discover the gene responsible for tuberization induction and the crosstalk between flowering and tuberization. Due to the findings' quality and novelty, our results were published in the prestigious journal Nature (Navarro & Abelenda et al. Nature 2011). During this period, I expanded my network and established ties with Prof. Dr. Christian Bachem (Wageningen University), coordinator of the international potato genome project. I have visited his lab regularly in Wageningen, where I learned massive sequencing technologies. In 2012, I was granted by CSIC a JAE postdoctoral fellowship. My fruitful collaboration with Prof. Dr. Bachem continued, and we were able to find the gene responsible for potato cultivation in northern latitudes. We published these results in Nature (Kloosterman et al. 2013 2nd author), spanning twenty-five years of research at Wageningen University and highlighted in international mass media. Some of my last results in Prof. Dr. Salomé Prat's group regarding the transcriptional regulation of tuberization were published in Current Biology (Abelenda et al., 2016). In 2013 I decided to move to The Netherlands and continue my research at the Department of Plant Breeding (WUR). My projects focused on understanding new aspects of Solanum spp. tuberization, flowering, domestication, and adaptation to different environments employing new phenotyping technologies and NGS (New Generation Sequencing). I held active collaborations with two German research groups, one led by Prof. Dr. Uwe Sonnewald (FAU-Nürnberg) and the second led by Dr. Onno Muller at the Plant Phenotyping Centre in Jülich. During my postdoctoral period in the Plant Breeding Department of WUR, I published three papers, including one Current Biology as the first author, and a Plant Journal as a co-senior author.

In 2019 I got a YIR position at CBGP (Centro de Biotecnología y Genómica de Plantas UPM – INIA) with the support of Severo Ochoa funds and the Captación de Talento program of Comunidad de Madrid.

In summary, my work has yielded high impact papers, including two papers in Nature and two in Current Biology. My average impact factor is 12.5, and my total number of citations 1013 (92.1 citations per item). I have supervised 3 Master's students and one minor thesis. I believe I have probed my independence, my leadership skills, and my capacity to establish collaborations.



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General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Sum of the Times Cited: 1013

Sum of Times Cited without self-citations: 1007

Average Citations per Item (Journals): 92.1

h-index: 11

José Antonio Abelenda Vila

Surname(s): **Abelenda Vila**
Name: **José Antonio**
ORCID: **0000-0001-7952-4891**
ScopusID: **12646448500**
ResearcherID: **L-8315-2017**
Contact aut. region/reg.: **Community of Madrid**
Personal web page: **<http://www.cbgp.upm.es/index.php/es/desarrollo-de-plantas?id=75>**

Current professional situation

Employing entity: CSIC **Type of entity:** State agency
Department: Centro de Biotecnología y Genómica de Plantas
Professional category: Científico Titular
City employing entity: Community of Madrid, Spain
Phone: (34) 910679148
Start date: 29/12/2023
Primary (UNESCO code): 240300 - Biochemistry; 241502 - Molecular biology of plants; 241715 - Plant growth; 241719 - Plant physiology

Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad Politécnica de Madrid	YIR Researcher	01/01/2019
2	WUR Wageningen University	Postdoctoral researcher	01/06/2014
3	WUR Wageningen University	Postdoctoral researcher	02/12/2013
4	Centro Nacional de Biotecnología	G1	01/01/2012
5	Centro Nacional de Biotecnología	G1	01/04/2011
6	Centro Nacional de Biotecnología	G1	14/03/2007
7	Centro Nacional de Biotecnología	G1	01/09/2006

1 **Employing entity:** Universidad Politécnica de Madrid **Type of entity:** University

City employing entity: Community of Madrid, Spain
Professional category: YIR Researcher
Start-End date: 01/01/2019 - 28/12/2023

2 **Employing entity:** WUR Wageningen University **Type of entity:** University

Department: Plant Breeding, Plant Science
City employing entity: Wageningen, Gelderland, Holland
Professional category: Postdoctoral researcher
Start-End date: 01/06/2014 - 10/10/2018

Type of contract: Temporary employment contract

Primary (UNESCO code): 241502 - Molecular biology of plants; 241714 - Plant genetics; 241719 - Plant physiology

Performed tasks: Integrated approach combining physiology, genetics, genomics, metabolomics and natural variation studies to analyze the impact of elevated temperatures on (1) sink-source relations of potato plants, (2) potato tuber development, (3) starch accumulation and tuber quality and (4) tuber dormancy.

Area of leadership and/or management activity: University

3 **Employing entity:** WUR Wageningen University **Type of entity:** University

Department: Plant Breeding, Plant Science

City employing entity: Wageningen, Gelderland, Holland

Professional category: Postdoctoral researcher

Start-End date: 02/12/2013 - 31/05/2014

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Primary (UNESCO code): 241502 - Molecular biology of plants; 241714 - Plant genetics; 241719 - Plant physiology

Performed tasks: The work was centred around elucidating the function of a cloned gene that was shown to be responsible for a major effect QTL on chromosome 5 of potato named StCDF_V. Sequencing of the bi-allelic diploid RH and SH potato clones that form the basis of the phenotypically well characterised segregating SH x RH population. Sequence data of the StCDF_V genes in C and E that are the parents of the C x E population.

Area of leadership and/or management activity: University

4 **Employing entity:** Centro Nacional de Biotecnología **Type of entity:** State agency

Department: Plant Molecular Genetics, Centro Nacional de Biotecnología

City employing entity: Madrid, Community of Madrid, Spain

Professional category: G1

Leadership and management (Y/N): No

Start-End date: 01/01/2012 - 01/12/2012

Type of contract: Grant-assisted student (pre or post-doctoral, others)

Primary (UNESCO code): 240000 - Life Science

Secondary (UNESCO code): 240992 - Molecular genetics of plants

Area of leadership and/or management activity: Public Research Body

5 **Employing entity:** Centro Nacional de Biotecnología **Type of entity:** State agency

Department: Plant Molecular Genetics, Centro Nacional de Biotecnología

City employing entity: Madrid, Community of Madrid, Spain

Professional category: G1

Leadership and management (Y/N): No

Start-End date: 01/04/2011 - 31/12/2011

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 240000 - Life Science

Secondary (UNESCO code): 240992 - Molecular genetics of plants

Area of leadership and/or management activity: Public Research Body

6 **Employing entity:** Centro Nacional de Biotecnología **Type of entity:** State agency

Department: Plant Molecular Genetics, Centro Nacional de Biotecnología

City employing entity: Madrid, Community of Madrid, Spain

Professional category: G1

Leadership and management (Y/N): No



Start-End date: 14/03/2007 - 30/03/2011

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 240000 - Life Science

Secondary (UNESCO code): 240992 - Molecular genetics of plants

Area of leadership and/or management activity: Public Research Body

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Employing entity: Centro Nacional de Biotecnología

Type of entity: State agency

Department: Plant Molecular Genetics, Centro Nacional de Biotecnología

City employing entity: Madrid, Community of Madrid, Spain

Professional category: G1

Leadership and management (Y/N): No

Start-End date: 01/09/2006 - 13/03/2007

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 240000 - Life Science

Secondary (UNESCO code): 240992 - Molecular genetics of plants

Area of leadership and/or management activity: Public Research Body



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

1 University degree: Higher degree

Name of qualification: Diploma de estudios avanzados

City degree awarding entity: Santiago de Compostela, Galicia, Spain

Degree awarding entity: Universidad de Santiago de Compostela **Type of entity:** University

Date of qualification: 11/09/2002

Average mark: Outstanding

2 University degree: Higher degree

Name of qualification: Curso de adaptación pedagógica

City degree awarding entity: Santiago de Compostela, Galicia, Spain

Degree awarding entity: Universidad de Santiago de Compostela **Type of entity:** University

Date of qualification: 30/04/2001

Average mark: Excellent

Standardised degree: Yes

3 University degree: Higher degree

Name of qualification: Licenciado en Biología Molecular y Biotecnología

City degree awarding entity: Santiago de Compostela, Galicia, Spain

Degree awarding entity: Universidad de Santiago de Compostela **Type of entity:** University

Date of qualification: 30/06/2000

Average mark: Excellent

Doctorates

Doctorate programme: Biología vegetal: aspectos moleculares, fisiológicos y biotecnológicos

Degree awarding entity: Universidad de Santiago de Compostela **Type of entity:** University

Date of degree: 17/10/2005



Specialised, lifelong, technical, professional and refresher training (other than formal academic and healthcare studies)

1 Type of training: Course

Training title: Advanced course in applied biotechnology

City awarding entity: Santiago de Compostela, Galicia, Spain

Awarding entity: Universidad de Santiago de Compostela

Type of entity: University

Training manager: Tomás González Villa

End date: 30/11/2005

Duration in hours: 12 hours

2 Type of training: Practical work

Training title: Training course for manipulation of radioactive substances

City awarding entity: Santiago de Compostela, Galicia, Spain

Awarding entity: Universidad de Santiago de Compostela

Type of entity: University

Training manager: Alejandra Martínez Maquieira

End date: 03/12/2001

Duration in hours: 15 hours

3 Type of training: Practical work

Training title: Course in proteomics. Techniques and applications in proteomics.

City awarding entity: Santiago de Compostela, Galicia, Spain

Awarding entity: Universidad de Santiago de Compostela

Type of entity: University

Training manager: Emilio Quiñoá Cabana

End date: 19/10/2001

Duration in hours: 10 hours

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Dutch	A2	A2	A2	A2	A2
English	C1	C1	C1	C1	C1
Portuguese	C2	C2	C1	C1	B2
Spanish	C2	C2	C2	C2	C2
Gallegan	C2	C2	C2	C2	C2

Teaching experience



General teaching experience

- 1** **Name of the course:** Bioquímica
University degree: Graduado o Graduada en Ingeniería Alimentaria
Start date: 01/09/2022 **End date:** 31/10/2022
Entity: Universidad Politécnica de Madrid **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingenieros Agrónomos
- 2** **Name of the course:** Bioquímica y Biología Celular
University degree: Graduado o Graduada en Biotecnología
Start date: 01/09/2021 **End date:** 01/07/2022
Entity: Universidad Politécnica de Madrid **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingenieros Agrónomos
- 3** **Name of the course:** Bioquímica y Biología Celular
University degree: Graduado o Graduada en Ingeniería Agraria
Start date: 01/09/2021 **End date:** 01/07/2022
Entity: Universidad Politécnica de Madrid **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingenieros Agrónomos
- 4** **Name of the course:** Bioquímica y Biología Celular
University degree: Graduado o Graduada en Ingeniería Agraria
Start date: 01/09/2019 **End date:** 29/02/2020
Entity: Universidad Politécnica de Madrid **Type of entity:** University
Faculty, institute or centre: Escuela Técnica Superior de Ingenieros Agrónomos
- 5** **Name of the course:** Biotecnología Vegetal
University degree: Título propio de Biotecnología
Start date: 2004 **End date:** 2005
Entity: Universidad de Santiago de Compostela **Type of entity:** University
Faculty, institute or centre: Facultade de Bioloxía
- 6** **Name of the course:** Fisiología Vegetal
University degree: Licenciado en Biología Opción Biología Celular y Molecular
Start date: 2003 **End date:** 2004
Entity: Universidad de Santiago de Compostela **Type of entity:** University
Faculty, institute or centre: Facultade de Bioloxía

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Computational analysis of genomic characteristics related to adaptation to high temperatures in *Brassica napus*
Type of project: Work leading to an ASD
Entity: Universidad Politécnica de Madrid **Type of entity:** University
City of entity: Madrid, Community of Madrid, Spain
Student: Zahara Medina Calzada
Obtained qualification: Notable
Date of reading: 17/06/2021



- 2** **Project title:** Novel Insights on the effect of StCDF1 and the StCDF1 antisense lncRNA on drought tolerance in *Solanum tuberosum*
Type of project: Work leading to an ASD
Co-director of thesis: José Abelenda; Christian Bachem
Entity: Wageningen UR **Type of entity:** University
City of entity: Wageningen, Gelderland, Holland
Student: Lisette van Noord
Obtained qualification: 7.5
Date of reading: 17/07/2017
- 3** **Project title:** A novel crosstalk between Flowering Locus T signalling and sugar transport in *Solanum tuberosum*
Type of project: Work leading to an ASD
Co-director of thesis: José Abelenda; Christian Bachem
Entity: Wageningen UR **Type of entity:** University
City of entity: Wageningen, Gelderland, Holland
Student: Marize Timmermans
Obtained qualification: 7.2
Date of reading: 25/05/2016
- 4** **Project title:** Identifying the gene involved in the shape of potato tubers
Type of project: Work leading to an ASD
Co-director of thesis: Herman van Eck; Christian Bachem; José Abelenda Vila
Entity: Wageningen UR
City of entity: Wageningen, Gelderland, Holland
Student: Jean Custers
Obtained qualification: 8.2
Identify key words: Molecular, cellular and genetic biology; Plants and animal biology and ecology
Date of reading: 05/03/2015
- 5** **Project title:** Molecular Elucidation of Potato Tuberisation Pathway
Type of project: Minor Thesis
Entity: Wageningen UR **Type of entity:** University
City of entity: Wageningen, Gelderland, Holland
Student: Margareth Kirika
Obtained qualification: 7.5
Identify key words: Molecular, cellular and genetic biology; Plants and animal biology and ecology; Agriculture
Date of reading: 11/08/2014



Scientific and technological experience

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** EpiSeedLink
Entity where project took place: Centro de Biotecnología y Genómica de Plantas, CBGP
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Manuel Piñeiro; José A. Jarillo; José A. Abelenda; Pedro Crevillén
Nº of researchers: 4
Funding entity or bodies: European Research Executive Agency
City funding entity: Brussel, Belgium
Type of entity: R&D Centre
Start-End date: 01/10/2022 - 30/09/2026
Total amount: 2.689.725 €
Dedication regime: Part time
- 2** **Name of the project:** DISECCIONANDO LA PARTICIPACION DE MCW4 EN LA ADAPTACION AL AUMENTO DE LA TEMPERATURA Y LA INTERACCION CON PATOGENOS EN CULTIVOS DE ESPECIES DE SOLANACEAS
Entity where project took place: Universidad Politécnica de Madrid
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): José A. Abelenda Vila
Nº of researchers: 1
Funding entity or bodies: Ministerio de Ciencia e Innovación
Type of entity: University
Start-End date: 01/01/2023 - 01/01/2025
Total amount: 155.250 €
Dedication regime: Full time
- 3** **Name of the project:** New Receptors of FLOWERING LOCUS T (NeRoFT)
Type of project: Basic research (including archaeological digs, etc)
Entity where project took place: Universidad Politécnica de Madrid
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): José A. Abelenda Vila
Nº of researchers: 1
Funding entity or bodies: Ministerio de Ciencia e Innovación
Type of entity: University
Type of participation: Principal investigator
Start-End date: 01/09/2023 - 01/01/2024
Total amount: 105.000 €



Dedication regime: Full time

- 4 Name of the project:** Cross-cutting approaches to unravel novel mechanisms of crop adaptation to climate change

Entity where project took place: Universidad Politécnica de Madrid

Type of entity: University

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): José Antonio Abelenda Vila

Nº of researchers: 1

Funding entity or bodies:

Comunidad de Madrid

Type of entity: Pública

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2019 - 31/12/2022

Total amount: 312.000 €

- 5 Name of the project:** Future-proofing potato: Mechanisms and markers for global-warming tolerant ideotypes

Identify key words: Functional biology; Genetics; Agriculture

Type of project: Research and development, including transfer

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place: Wageningen University

Type of entity: University

City of entity: Wageningen, Gelderland, Holland

Name principal investigator (PI, Co-PI....): Bachem CWB

Nº of researchers: 10

Nª people/year: 12

Funding entity or bodies:

Nederlandse Organisatie voor Wetenschappelijk Onderzoek

Type of entity: State agency

City funding entity: The Hague, Zuid-Holland, Holland

Type of participation: Team member

Name of the programme: ERA-CAPS CALLS

Code according to the funding entity: BB/M004899/1

Start-End date: 01/02/2014 - 01/07/2017

Duration: 3 years

Total amount: 1.117.889 €

Dedication regime: Full time

- 6 Name of the project:** Interacción de las señales GA y brasinoesteroide (BR) en el control de la etiolación

Geographical area: National

Degree of contribution: Researcher

Entity where project took place: Centro Nacional de Biotecnología

Type of entity: State agency

City of entity: Madrid, Community of Madrid, Spain

Name principal investigator (PI, Co-PI....): Prat S

Nª people/year: 4

Type of participation: Team member

Start-End date: 2011 - 2014

Total amount: 350.000 €

Dedication regime: Full time

- 7** **Name of the project:** High Quality Solanaceous Crops for Consumers, Processors and Producers by Exploration of Natural Biodiversity
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** European Union
Degree of contribution: Researcher
Entity where project took place: Centro Nacional de Biotecnología **Type of entity:** State agency
City of entity: Madrid, Community of Madrid, Spain
Name principal investigator (PI, Co-PI....): Prat S
Nº of researchers: 2 **Nª people/year:** 350
Funding entity or bodies: EU **Type of entity:** Public Research Body
City funding entity: Bruselas, Belgium
Type of participation: Team member
Name of the programme: Framework Programme agricultural research
Code according to the funding entity: FOOD-CT-2006-016214
Start-End date: 2006 - 2011
Relevant results: Sequence the genome of tomato and potato, genomic tool kit, big science integrated project
Dedication regime: Full time
- 8** **Name of the project:** Dinámica del complejo xiloglucano-celulosa: Modulación de la extensión de la pared celular de plantas de tipo I
Entity where project took place: Universidad de Santiago de Compostela **Type of entity:** University
City of entity: Santiago de Compostela, Galicia, Spain
Name principal investigator (PI, Co-PI....): Ignacio Zarra Cameselle
Start-End date: 2002 - 2005

Results

Industrial and intellectual property

Title registered industrial property: Genes homologous to the FLOWERING LOCUS T (FT) gene and the use thereof for modulating tuberization
Description of qualities: Publication Date 04.11.2010. International Classification A01H5/00, C12N15/82. Cooperative Classification C12N15/8271, C12N15/8267, C12N15/8261, C12N15/8245, C07K14/415. European Classification C07K14/415, C12N15/82C8A8, C12N15/82C8, C12N15/82C8B, C12N15/82C4B2
Inventors/authors/obtainers: Prat S; Navarro C; Abelenda JA; Van Doorn JE
Entity holder of rights: CSIC
Nº of application: PCT/ES2010/070265
Country of inscription: Spain
Conferral date: 04/11/2010



Scientific and technological activities

Scientific production

H index: 11

Date of application: 01/11/2022

Source of H-Index: SCOPUS

Publications, scientific and technical documents

- 1** Abelenda JA; Bergonzi S; Oortwijn M; Sonnewald S; Du M; Visser RGF; Sonnewald U; Bachem CWB. Source-Sink Regulation Is Mediated by Interaction of an FT Homolog with a SWEET Protein in Potato. *Current Biology*. 29 - 7, pp. 1178 - 1186. Cell Press, 21/03/2019.

Type of production: Scientific paper **Format:** Journal

Corresponding author: No

Relevant publication: Yes
- 2** José Antonio Abelenda; Eduard Cruz Oró; José Manuel Franco Zorrilla; Salome Prat. Potato StCONSTANS suppresses storage organ formation by directly activating the FT-like StSP5G repressor. *Current Biology*. 26 - 7, pp. 872 - 881. Cell Press, 10/03/2016.

Type of production: Scientific paper **Format:** Journal

Total no. authors: 4 **Corresponding author:** No

Relevant publication: Yes
- 3** Kloosterman B; *Abelenda JA; *Carretero-Gomez M; Oortwijn M; de Boer J; Kowitwanich K; Horvath B; van Eck H; Smaczniak C; Prat S; Visser RGF; Bachem CWB. Naturally occurring allele diversity allows potato cultivation in northern latitudes. *Nature*. 495 - 7440, pp. 246 - 250. Nature Publishing Group, 14/03/2013.

Type of production: Scientific paper **Format:** Journal

Relevant publication: Yes
- 4** Navarro C*; Abelenda JA*; Cruz-Oró E; Cuéllar CA; Silva J; Tamaki S; Shimamoto K; Prat S. Control of flowering and storage organ formation in potato by FLOWERING LOCUS T. *Nature*. 478 - 7367, pp. 119 - 122. Nature Publishing Group, 25/02/2011.

Type of production: Scientific paper **Format:** Journal

Relevant publication: Yes
- 5** José A. Abelenda; Noemí Trabanco; Iván del Olmo; Jenifer Pozas; María del Mar Martín-Trillo; Jessica Gómez-Garrido; Anna Esteve-Codina; Mónica Pernas; José A. Jarillo; Manuel Piñeiro. High ambient temperature impacts on flowering time in Brassica napus through both H2A.Z-dependent and independent mechanisms. *Plant, Cell & Environment*. 46 - 5, pp. 1427 - 1441. 05/04/2023. Available on-line at: <<https://onlinelibrary.wiley.com/doi/abs/10.1111/pce.14526>>.

Type of production: Scientific paper **Format:** Journal
- 6** Lorena Ramírez Gonzales; Li Shi; Sara Bergonzi; Marian Oortwijn; José M Franco-Zorrilla; Roberto Solano-Tavira; Richard G F Visser; José A Abelenda; Christian W B Bachem. Potato CYCLING DOF FACTOR1 and its lncRNA counterpart StFLORE, link tuber development and drought response. *The Plant journal : for cell and molecular biology*. 20/02/2021. Available on-line at: <<https://doi.org/10.1111/tpj.15093>>. ISSN 0960-7412

Type of production: Scientific paper **Format:** Journal

Position of signature: 8

**Total no. authors:** 9**Corresponding author:** Yes

- 7** Plantenga FD; Bergonzi S; Abelenda JA; Bachem CW; Visser RG; Heuvelink E; Marcelis LFM. The tuberization signal StSP6A represses flower bud development in potato. *Journal of Experimental Botany*. 70 - 3, pp. 937 - 948. Oxford University Press, 05/02/2019.
Type of production: Scientific paper **Format:** Journal
Corresponding author: No
- 8** Taurino M; Abelenda JA; Río-Alvarez I; Navarro C; Vicedo B; Farmaki T; Jiménez P; García-Agustín P; López-Solanilla E; Prat S; Rojo E; Sánchez-Serrano JJ; Sanmartín M. Jasmonate-dependent modifications of the pectin matrix during potato development function as a defense mechanism targeted by *dickeya dadantii* virulence factors. *Plant Journal*. 77 - 3, pp. 418 - 429. Wiley, 01/02/2014.
Type of production: Scientific paper **Format:** Journal
- 9** Abelenda JA; Prat S. Cytokinins: determinants of sink storage ability. *Current Biology*. 23, pp. 13. Cell, 08/07/2013.
Type of production: Scientific paper **Format:** Journal
- 10** Abelenda JA; Navarro C; Prat S. From the model to the crop: genes controlling tuber formation in potato. *Current Opinion Biotechnology*. 22 - 2, pp. 287 - 292. Elsevier, 16/12/2010.
Type of production: Scientific paper **Format:** Journal
- 11** Iglesias N; Abelenda JA; Rodiño M; Sampedro J; Revilla G; Zarra I. Apoplastic glycosidases active against xyloglucan oligosaccharides of *Arabidopsis thaliana*. *Plant and Cell Physiology*. 47 - 1, pp. 55 - 63. Oxford Journals, 01/01/2006.
Type of production: Scientific paper **Format:** Journal
- 12** Prusova A; Abelenda JA. MRI characterisation of phloem transport in potato plant. Light on phloem transport (an MRI approach). pp. 89 - 102. Wageningen University Press, 20/10/2016. ISBN 9789462579156
DOI: 10.18174/389397
Type of production: Scientific book or monograph **Format:** Book
Position of signature: 2 **Degree of contribution:** Author or co-author of chapter in book
- Total no. authors:** 2
- 13** José A Abelenda; Javier Barrero-Gil. ABA signaling branches out: emerging ABA-related signaling functions in *Solanum tuberosum*. *Journal of Experimental Botany*. 74 - 21, pp. 6405 - 6408. 21/11/2023. Available on-line at: <<https://doi.org/10.1093/jxb/erad395>>. ISSN 0022-0957
Type of production: Review **Format:** Journal
Corresponding author: Yes
- 14** Abelenda JA; Navarro C; Prat S. Flowering and tuberization: a tale of two nightshades. *Trends Plant Science*. 19 - 2, pp. 115 - 122. Cell, 01/02/2014.
Type of production: Review **Format:** Journal
- 15** José A Abelenda; Eduard Cruz; Cristina Navarro; Salomé Prat. Seasonal control of storage organ formation: new varieties tolerant to heat-stress. *The FEBS Journal*. 279 - s1, pp. 48 - 51. John Wiley & Sons, 30/08/2012. Available on-line at: <<https://febs.onlinelibrary.wiley.com/doi/abs/10.1111/j.1742-4658.2010.08704.x>>.
Type of production: Congress Paper **Format:** Journal
- 16** Jose Antonio Abelenda; Salomé Prat; Cristina Navarro; Javier Silva. FT control of floral transition and tuber formation in potato. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*. 153 - 2, Supplement, pp. S196 - S196. 22/06/2009. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S1095643309006059>>. ISSN 1095-6433



Type of production: Congress Paper
Corresponding author: No

Format: Journal

Works submitted to national or international conferences

- 1** **Title of the work:** Unveiling a methylation histone reader that links flowering and heat stress
Name of the conference: XVI Reunión de Biología Molecular de Plantas
Type of event: Conference
Corresponding author: Yes
City of event: Sevilla, Andalusia, Spain
Date of event: 14/09/2022
End date: 16/09/2022
Organising entity: Universidad de Sevilla **Type of entity:** University
José A. Abelenda; Trabanco; Pozas; Manuel A. Piñeiro; José A. Jarillo.
- 2** **Title of the work:** New Mechanisms of Crop Adaptation to Climate Change
Name of the conference: XV Reunión de Biología Molecular de Plantas
Type of event: Conference
Corresponding author: Yes
City of event: on-line, Andalusia, Spain
Date of event: 27/11/2020
Organising entity: Universidad de Málaga **Type of entity:** University
José A. Abelenda; José A. Jarillo; Manuel A. Piñeiro.
- 3** **Title of the work:** Competition between flowering and tuberisation in potato
Name of the conference: XIV Solanaceae and 3rd Cucurbitaceae Joint Conference
City of event: Valencia, Valencian Community, Spain
Date of event: 03/09/2017
End date: 06/09/2017
Organising entity: Instituto de Biología Molecular y Celular de Plantas **Type of entity:** University Research Institute
City organizing entity: Valencia, Valencian Community, Spain
Faline Plantenga; Sara Bergonzi; José Abelenda; Ep Heuvelink; Christian Bachem; Leo Marcelis.
"Competition between flowering and tuberisation in potato".
- 4** **Title of the work:** Integration of Environmental and Internal Cues for Triggering Vegetative Reproduction in Potato
Name of the conference: International Plant and Animal Genome Conference XXV 2017
Corresponding author: No
City of event: San Diego, United States of America
Date of event: 13/01/2017
End date: 18/01/2017
Organising entity: PAG Scherago International **Type of entity:** Business
City organizing entity: Livingston, United States of America
Christian W.B. Bachem; José A Abelenda; Marian Oortwijn; Sophia Sonnewald; Uwe Sonnewald.
"Integration of Environmental and Internal Cues for Triggering Vegetative Reproduction in Potato".
- 5** **Title of the work:** The High-Quality Genome Sequence of Solanum tuberosum Provides Insights into Genome and Trait Evolution of the Solanum Genus
Name of the conference: International Plant and Animal Genome Conference XXV 2017



Corresponding author: No

City of event: San Diego, United States of America

Date of event: 13/01/2017

End date: 18/01/2017

Organising entity: PAG Scherago International

Type of entity: Business

City organizing entity: Livingston, United States of America

Laurie Grandont; Lidija Berke; José A Abelenda; Elio Schijlen; Henri van de Geest; Saulo Aflitos; Christian W.B. Bachem; Frank Becker; Klaas Bouwmeester; Francine Govers; Sander A. Peters; Ronald G. van den Berg; Bas J. Zwaan; Hans de Jong; Gabino F. Sanchez Perez; M. Eric Schranz. "The High-Quality Genome Sequence of Solanum tuberosum Provides Insights into Genome and Trait Evolution of the Solanum Genus".

6 Title of the work: Potato StCDF1: A Master Regulator for Potato Tuber Development

Name of the conference: International Plant and Animal Genome Conference XXIII 2015

Corresponding author: No

City of event: San Diego, United States of America

Date of event: 10/01/2015

End date: 14/01/2015

Organising entity: PAG Scherago International

Type of entity: Business

City organizing entity: Livingston, United States of America

Christian W.B. Bachem; José A Abelenda; Sara Bergonzi; Richard G. F. Visser. "Potato StCDF1: A Master Regulator for Potato Tuber Development".

7 Title of the work: A complex network: StCDF dependent cis-regulatory elements controlling tuberisation

Name of the conference: The 11th Solanaceae Conference

Corresponding author: Yes

City of event: Arraial d'Ajuda, Brazil

Date of event: 02/11/2014

End date: 06/11/2014

Organising entity: Embrapa

Type of entity: State agency

Jose A Abelenda; Richard Visser; Christian Bachem.

8 Title of the work: Cloning and Analysis Of The Gene Responsible For The Plant Maturity QTL In Potato: Molecular Pathways Of Potato Domestication

Name of the conference: International Plant and Animal Genome Conference XXI 2013

Corresponding author: No

City of event: San Diego, United States of America

Date of event: 12/01/2013

End date: 16/01/2013

Organising entity: PAG Scherago International

Type of entity: Business

City organizing entity: Livingston, United States of America

Christian W.B. Bachem; Bjorn Kloosterman; José A Abelenda; María-del-Mar Carretero-Gomez; Salomé Prat; Richard G. F. Visser. "Cloning and Analysis Of The Gene Responsible For The Plant Maturity QTL In Potato: Molecular Pathways Of Potato Domestication".

9 Title of the work: Seasonal control of storage organ formation: new varieties tolerant to heat-stress

Name of the conference: 22nd IUBMB Congress/37th FEBS Congress

Type of event: Conference

Geographical area: European Union

Type of participation: Participatory - others

Reasons for participation: Upon invitation

Corresponding author: No

City of event: Seville, Andalusia, Spain

Date of event: 04/09/2012



End date: 09/09/2012

Organising entity: Federation of European Biochemical Societies

City organizing entity: Cambridge, East Anglia, United Kingdom

Publication in conference proceedings: Yes **With external admission assessment committee:** Yes

Abelenda JA; Cruz-Oró E; Navarro C; Prat S. "Seasonal control of storage organ formation: new varieties tolerant to heat-stress". En: FEBS JOURNAL. 279 - S1, pp. 49. East Anglia (United Kingdom): WILEY-BLACKWELL, 09/2012. Available on-line at: <<https://febs.onlinelibrary.wiley.com/toc/17424658/2012/279/s1>>.

DOI: 10.1111/j.1742-4658.2010.08704.x

- 10 Title of the work:** Control fotoperiódico de la tuberización
Name of the conference: XI Reunión de biología molecular de plantas
City of event: Segovia, Castile and León, Spain
Date of event: 14/06/2012
End date: 16/06/2012
Organising entity: CSIC-INIA-Complutense
City organizing entity: Segovia, Castile and León, Spain
 Abelenda JA; Navarro C; Cruz-Oró E; Prat S.
- 11 Title of the work:** FT Control of Flowering and Storage Organ Formation in Potato
Name of the conference: International Plant and Animal Genome Conference XX 2012
Corresponding author: No
City of event: San Diego, United States of America
Date of event: 14/01/2012
End date: 18/01/2012
Organising entity: PAG Scherago International **Type of entity:** Business
City organizing entity: Livingston, United States of America
 Salomé Prat; Cristina Navarro; José A Abelenda; Eduard Cruz-Oró. "FT Control of Flowering and Storage Organ Formation in Potato".
- 12 Title of the work:** Different FT paralogs control flowering and storage organ formation in potato
Name of the conference: 8th Solanaceae and 2nd Cucurbitaceae Genome Joint Conference
City of event: Kobe, Japan
Date of event: 28/11/2011
End date: 02/12/2011
Organising entity: JSPS 178th Committee on Plant Molecular Design **Type of entity:** Public Research Body
 Abelenda J; Navarro C; Cruz-Oró E; Prat S.
- 13 Title of the work:** Papel del transporte de Auxinas en el desarrollo del tubérculo en *S. tuberosum* ssp. Andigena.
Name of the conference: X Reunión de biología molecular de plantas
City of event: Valencia, Valencian Community, Spain
Date of event: 08/07/2010
End date: 10/07/2010
Organising entity: CSIC-U Politécnica de Valencia **Type of entity:** Public Research Body
City organizing entity: Valencia, Valencian Community, Spain
 Abelenda JA; Navarro C; Cuellar C; Kloosterman B; Bachem CW; Prat S.



- 14** **Title of the work:** KANADI modulation of auxin transport during *S. tuberosum* ssp. *andigena* tuber development
Name of the conference: XVII Congress of the Federation of European Societies of Plant Biology (FESPB)
City of event: Valencia, Valencian Community, Spain
Date of event: 04/07/2010
End date: 09/07/2010
Organising entity: FESPB **Type of entity:** Associations and Groups
Abelenda JA; Navarro C; Cuellar C; Kloosterman B; Bachem CW; Prat S.
- 15** **Title of the work:** FT control of floral transition and tuber formation in potato
Name of the conference: Annual Main Meeting of the Society of Experimental Biology
Type of event: Conference **Geographical area:** European Union
Type of participation: Participatory - others **Reasons for participation:** Upon invitation
Corresponding author: No
City of event: Glasgow, South Western Scotland, United Kingdom
Date of event: 28/06/2009
End date: 01/07/2009
Organising entity: The Society of Experimental Biology **Type of entity:** Associations and Groups
City organizing entity: London, Inner London, United Kingdom
Publication in conference proceedings: Yes **With external admission assessment committee:** Yes
Type of contribution: Scientific-technical report
José A Abelenda Vila; Salomé Prat Monguïò; Cristina Navarro; Javier Silva Navas. "FT control of floral transition and tuber formation in potato". En: COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY A-MOLECULAR & INTEGRATIVE PHYSIOLOGY. 153 - 2, pp. S196. Elsevier, 06/2009. Available on-line at: <<https://www.sciencedirect.com/science/article/pii/S1095643309006059?via%3Dihub>>.
DOI: 10.1016/j.cbpa.2009.04.439
- 16** **Title of the work:** Análisis transcriptómico de la tuberización.
Name of the conference: IX Reunión de biología molecular de plantas
City of event: Santiago de Compostela, Galicia, Spain
Date of event: 02/07/2008
End date: 04/07/2008
Organising entity: Universidad de Santiago de Compostela **Type of entity:** University
City organizing entity: Santiago de Compostela, Galicia, Spain
Abelenda J.; Navarro C; Cuellar C; Prat S.
- 17** **Title of the work:** Metabolismo del Xyloglucano en *Arabidopsis thaliana*. II. Papel de las beta-glucosidasas de la familia 3
Name of the conference: VIII Reunión de biología molecular de plantas
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 28/06/2006
End date: 01/07/2006
Organising entity: Universidad Pública de Navarra **Type of entity:** University
City organizing entity: Pamplona, Foral Community of Navarre, Spain
Iglesias N; Abelenda J; Revilla G; Zarra I.
- 18** **Title of the work:** Characterization of beta-glucosidases implicated in the xyloglucan metabolism in cell wall of *Arabidopsis thaliana*
Name of the conference: X Cell Wall Meeting



City of event: Sorrento, Italy

Date of event: 29/08/2004

End date: 03/09/2004

Organising entity: University of Rome "La Sapienza" **Type of entity:** University

City organizing entity: Roma, Italy

Iglesias N; Pedreira J.; Abelenda J; Rodiño M; Revilla G; Zarra I.

19 Title of the work: Role of xyloglucan fucosylation in the extension of Arabidopsis cell walls.

Name of the conference: X Cell Wall Meeting

City of event: Sorrento, Italy

Date of event: 29/08/2004

End date: 03/09/2004

Organising entity: University of Rome "La Sapienza" **Type of entity:** University

City organizing entity: Roma, Italy

Abelenda J; Revilla G; Zarra I.

20 Title of the work: Xyloglucan heterogeneity in Spinacia cell suspension culture

Name of the conference: X Cell Wall Meeting

City of event: Sorrento, Italy

Date of event: 29/08/2004

End date: 03/09/2004

Organising entity: University of Rome "La Sapienza" **Type of entity:** University

City organizing entity: Roma, Italy

Rodiño M; de la Torre F; Abelenda J; Pedreira J; Iglesias N; Zarra I; Revilla G.

21 Title of the work: AtXYL2, un pseudogen de alpha-xilosidasa

Name of the conference: VII reunión de Biología molecular de Plantas

City of event: Málaga, Andalusia, Spain

Date of event: 03/06/2004

End date: 05/06/2004

Organising entity: Universidad de Málaga

Type of entity: University

City organizing entity: Málaga, Andalusia, Spain

Rodiño M; Abelenda J; Pedreira J; Iglesias N; Sampedro J; Zarra I; Revilla G.

22 Title of the work: Caracterización de beta-glucosidasas implicadas en la extensión de la pared celular de Arabidopsis thaliana

Name of the conference: VII reunión de Biología molecular de Plantas

City of event: Málaga, Andalusia, Spain

Date of event: 03/06/2004

End date: 05/06/2004

Organising entity: Universidad de Málaga

Type of entity: University

City organizing entity: Málaga, Andalusia, Spain

Iglesias N; Pedreira J; Abelenda J; Rodiño M; Revilla G; Zarra I.

23 Title of the work: Caracterización de la actividad alpha-fucosidasa en paredes celulares de Arabidopsis

Name of the conference: VII reunión de Biología molecular de Plantas

City of event: Málaga, Andalusia, Spain

Date of event: 03/06/2004

End date: 05/06/2004

Organising entity: Universidad de Málaga

Type of entity: University

City organizing entity: Málaga, Andalusia, Spain



Abelenda J; Revilla G; Zarra I.

- 24** **Title of the work:** Atxyl1, un mutante Knock-out de Arabidopsis alterado en la actividad alpha-xilosidasa
Name of the conference: XV reunión de la sociedad española de Fisiología Vegetal y VIII congreso hispano-luso
City of event: Palma de Mallorca, Balearic Islands, Spain
Date of event: 16/09/2003
Organising entity: UIB **Type of entity:** University
City organizing entity: Palma de Mallorca, Balearic Islands, Spain
Rodiño M.; Abelenda J; Sampedro J; Zarra I; Revilla G.
- 25** **Title of the work:** Biología molecular del complejo xiloglucano-celulosa y su implicación en el control del crecimiento
Name of the conference: XV reunión de la sociedad española de Fisiología Vegetal y VIII congreso hispano-luso
City of event: Palma de Mallorca, Balearic Islands, Spain
Date of event: 16/09/2003
Organising entity: UIB **Type of entity:** University
City organizing entity: Palma de Mallorca, Balearic Islands, Spain
Zarra I; Revilla G; Abelenda J; Rodiño M.
- 26** **Title of the work:** Knock-out mutants of Arabidopsis thaliana: A tool to study the metabolism of the side chains of xyloglucan
Name of the conference: I congreso nacional sobre fisiología, bioquímica y biología molecular de carbohidratos
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 23/09/2002
End date: 25/09/2002
Organising entity: Universidad Pública de Navarra **Type of entity:** University
City organizing entity: Pamplona, Foral Community of Navarre, Spain
Zarra I; Abelenda J; Sampedro J; de la Torre F; Gianzo C; Revilla G.
- 27** **Title of the work:** PPXYL1, an alpha-xylosidase from Pinus pinaster which is developmentally regulated
Name of the conference: I congreso nacional sobre fisiología, bioquímica y biología molecular de carbohidratos
City of event: Pamplona, Community of Madrid, Spain
Date of event: 23/09/2002
End date: 25/09/2002
Organising entity: Universidad Pública de Navarra **Type of entity:** University
City organizing entity: Pamplona, Foral Community of Navarre, Spain
Revilla G; Sánchez M; Abelenda J; Sampedro J; Gianzo C; Zarra I.
- 28** **Title of the work:** AtXYL1, an alpha-xylosidase gene required for growth regulation
Name of the conference: The American Society of Plant Biologists (ASPB) annual meeting
City of event: Denver, United States of America
Date of event: 03/08/2002
End date: 07/08/2002
Organising entity: ASPB **Type of entity:** Associations and Groups
City organizing entity: Rockville, United States of America
Sampedro J; Abelenda J; Revilla G; Zarra I.



- 29** **Title of the work:** Arabidopsis mutants altered in alpha-fucosidase and alpha-xylosidase able to act on of xyloglucan side chains
Name of the conference: XIII International Conference on Arabidopsis research
City of event: Sevilla, Andalusia, Spain
Date of event: 28/06/2002
End date: 02/07/2002
Zarra I; Sampedro J; de la Torre F; Abelenda J; Gianzo C; Revilla G.
- 30** **Title of the work:** Atfxg1, an Arabidopsis Knock-out mutant altered in alpha-fucosidase activity. Biochemical and growth characterization
Name of the conference: 7th International Congress of Plant Molecular Biology
City of event: Barcelona, Catalonia, Spain
Date of event: 23/06/2002
End date: 28/06/2002
Organising entity: ISPMB **Type of entity:** Associations and Groups
City organizing entity: University of Georgia, Athens, GA 30602, USA, United States of America
Abelenda J; Herrera MT; Zarra I; Revilla G.

Science Outreach activities

- 1** **Title of the work:** Adaptando cultivos al cambio climático desde el laboratorio
Name of the event: Podcast Alimenta tu mente
Type of event: Media interviews
City of event: Madrid, Community of Madrid, Spain
Date of event: 15/10/2021
Organising entity: Universidad Politécnica de Madrid **Type of entity:** University
- 2** **Name of the event:** Semana de la Ciencia
Type of event: Fairs and exhibitions
City of event: Madrid, Community of Madrid, Spain
Date of event: 20/11/2020
Organising entity: Universidad Politécnica de Madrid **Type of entity:** University
City organizing entity: Madrid, Community of Madrid, Spain

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** DIVISIÓN DE COORDINACIÓN, EVALUACIÓN Y SEGUIMIENTO CIENTÍFICO Y TÉCNICO
Primary (UNESCO code): 241500 - Molecular biology
Secondary (UNESCO code): 240000 - Life Science
Tertiary (UNESCO code): 240902 - Genetic engineering; 240992 - Molecular genetics of plants
Affiliation entity: Ministerio de Ciencia e Innovación **Type of entity:** Public Entity
City affiliation entity: Madrid, Community of Madrid, Spain
Start date: 01/01/2021



- 2** **Committee title:** Deutsche Forschungsgemeinschaft
Primary (UNESCO code): 241500 - Molecular biology
Secondary (UNESCO code): 240000 - Life Science
Tertiary (UNESCO code): 240902 - Genetic engineering; 240992 - Molecular genetics of plants
Affiliation entity: Deutsche Forschungsgemeinschaft **Type of entity:** State agency
City affiliation entity: Bonn, Düsseldorf, Germany
Start date: 01/01/2021

Organization of R&D activities

Title of the activity: 4th EU-SOL Project Meeting
Type of activity: Congress organiser **Geographical area:** European Union
Convening entity: Centro Nacional de Biotecnología **Type of entity:** State agency
City convening entity: Toledo, Castile-La Mancha, Spain
Start-End date: 04/10/2009 - 06/10/2009

R&D management

- 1** **Name of the activity:** Comisión de Investigación da USC
Type of management: Management of body
Performed tasks: Member
City of entity: Santiago de Compostela, Galicia, Spain
Entity: Universidad de Santiago de Compostela **Type of entity:** University
Start date: 18/11/2002 **Duration:** 2 years - 6 months
Access system: By competition
- 2** **Name of the activity:** Membro do consello de goberno
Type of management: Management of body
Performed tasks: Member of the government council of Universidade de Santiago de Compostela
City of entity: Santiago de Compostela, Galicia, Spain
Entity: Universidad de Santiago de Compostela **Type of entity:** University
Start date: 2002 **Duration:** 2 years
Access system: By vote among several candidates
Geographical area: Regional

Evaluation and revision of R&D projects and articles

- 1** **Name of the activity:** Review
Performed tasks: Review activity for Frontiers in Plant Science.
Entity where activity was carried out: Frontiers **Type of entity:** Associations and Groups
City of entity: Lausanne, Switzerland
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 4
Access system: Designated by the corresponding party without competition **Geographical area:** European Union



- 2** **Name of the activity:** SOURCE-WORK-ID: 8f2e35751f8ec0b76267ee7d1c7a6b79
Performed tasks: Review activity for Horticulture research. SpringerNature.
Entity where activity was carried out: journal, **Type of entity:** Associations and Groups
Horticulture Research
City of entity: London, Inner London, United Kingdom
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** European Union
- 3** **Name of the activity:** Review
Performed tasks: Review activity for Journal of Experimental Botany. Oxford University Press.
Entity where activity was carried out: Journal of Experimental Botany. **Type of entity:** Associations and Groups
City of entity: Oxford, United Kingdom
Type of activity: Review of articles in scientific or technological journals **Frequency of the activity:** 2
Access system: Designated by the corresponding party without competition **Geographical area:** European Union
- 4** **Name of the activity:** Review
Performed tasks: Review activity for Physiologia Plantarum. Wiley-Blackwell.
Entity where activity was carried out: Scandinavian Society for Plant Physiology **Type of entity:** Foundation
City of entity: Helsinki, Finland
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition **Geographical area:** European Union

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** Wageningen University **Type of entity:** University
Faculty, institute or centre: Plant Breeding
City of entity: Wageningen, Gelderland, Holland
Start-End date: 20/01/2014 - 11/05/2016
Goals of the stay: Post-doctoral
- 2** **Entity:** University of Georgia, Athens, Georgia, USA **Type of entity:** Public Research Body
Faculty, institute or centre: Complex Carbohydrate Research Center (CCRC)
City of entity: Athens, United States of America
Start-End date: 01/09/2004 - 10/12/2004
Goals of the stay: Doctorate

Obtained grants and scholarships

- 1** **Name of the grant:** Programa de Atracción de Talento. Atracción de talento investigador a la Comunidad de Madrid en centros de I+D.
Aims: Ayudas a la investigación.
Awarding entity: Comunidad de Madrid
Conferral date: 01/01/2019
End date: 31/12/2023
Entity where activity was carried out: Universidad Politécnica de Madrid
Faculty, institute or centre: Escuela Técnica Superior de Ingenieros Agrónomos
Type of entity: Pública
Duration: 4 years
- 2** **Name of the grant:** EMBO short term fellowship
Aims: Post-doctoral
Awarding entity: European Molecular Biology Organization
Conferral date: 02/12/2013
End date: 02/04/2014
- 3** **Name of the grant:** Bolsa predoutoral segunda prorroga
Aims: Pre-doctoral
Awarding entity: XUNTA DE GALICIA
Conferral date: 01/10/2004
End date: 31/03/2005
Entity where activity was carried out: Universidad de Santiago de Compostela
Faculty, institute or centre: Facultade de Bioloxía
- 4** **Name of the grant:** Bolsa predoutoral
Aims: Pre-doctoral
Awarding entity: XUNTA DE GALICIA
Conferral date: 01/10/2002
End date: 30/09/2003
Entity where activity was carried out: Universidad de Santiago de Compostela
Faculty, institute or centre: Facultade de Bioloxía
- 5** **Name of the grant:** Bolsa de terceiro ciclo
Aims: Pre-doctoral
Awarding entity: XUNTA DE GALICIA
Conferral date: 16/11/2000
End date: 30/09/2002
Entity where activity was carried out: Universidad de Santiago de Compostela
Faculty, institute or centre: Facultade de Bioloxía
- 6** **Name of the grant:** JAE-DOC
Aims: Post-doctoral
Awarding entity: CSIC
Conferral date: 01/02/2012
Type of entity: Public Research Body
- 7** **Name of the grant:** Bolsa para estadias
Aims: estancias en centros extranjeros
Awarding entity: XUNTA DE GALICIA



Conferral date: 11/08/2004

Scientific societies and professional associations

Name of the society: Sociedad Española de Biología de Plantas

Affiliation entity: Confederación de Sociedades Científicas de España (COSCE) **Type of entity:** Associations and Groups

Start date: 01/01/2004

Obtained accreditations/recognitions

- 1** **Description:** Acreditación Profesor Ayudante Doctor
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** Fundación estatal
Date of recognition: 28/10/2022
- 2** **Description:** Acreditación Profesor Contratado Doctor
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** Fundación estatal
Date of recognition: 28/10/2022
- 3** **Description:** Acreditación Profesor de Universidad Privada
Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** Fundación estatal
Date of recognition: 28/10/2022