



Pablo Carbonell Bejerano

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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.

Total published articles: **52** (26 as first/last author, **50%**)

Publications in journals indexed by ISI-WoS: 26

First/last author of **ISI-WoS** articles: **12**

Corresponding author of ISI-WoS articles: **8**

Personal **H-index**: **18**

Published articles in the Q1: 21

Published articles in the Decile1 (D1): 7

First/last author of articles in D1: **5**

Studies presented in Conferences: **67** (**46** of **international** scope)

Participation in funded research Projects: **16** (**3** as PI).

Stays in International research centers: Max Planck Institute for Developmental Biology, **Germany 2018-2021** (3 years); University of Verona, **Italy 2011** (1 month); Instituto de Biología Agraria de Mendoza, **Argentina 2011** (1 month); Warwick Horticulture Research International, **UK 2005** (3 months).

Full CV: <https://cvn.fecyt.es/0000-0002-7266-9665>



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.

Total published articles: **52** (26 as first/last author, **50%**)

Publications in journals indexed by ISI-WoS : 26

Personal **H-index** (ISI-WoS): **16**

Personal **H-index** (Google Scholar): **18**

First/last author of **ISI-WoS** articles: **12**

Corresponding author of ISI-WoS articles: **8**

Cites per year in the last 5 years (Scholar): 157

Published articles in the Q1: 21

Published articles in the Decile1 (D1): 7

First/last author of articles in D1: **5**

Studies presented in conferences: 70 (48 of international scope)



Pablo Carbonell Bejerano

Surname(s): Carbonell Bejerano
Name: Pablo
DNI: 48360786c
ORCID: 0000-0002-7266-9665
ScopusID: 36482465800
ResearcherID: L-6699-2017
Google Scholar: <https://scholar.google.com/citations?user=2xmCnj0AAAAJ&hl>
Date of birth: 27/12/1980
Gender: Male
Nationality: Spain
Country of birth: Spain
Aut. region/reg. of birth: Valencian Community
City of birth: Aspe
Contact address: Max-Planck Ring 5
Rest of contact address: MPI for Developmental Biology, Dept 6
Postcode: D-72076
Contact country: Germany
Contact aut. region/reg.: Tübingen
Contact city: Tuebingen
Land line phone: (49) 7071 601 - 1416
Email: pablo.carbonell@tuebingen.mpg.de
Personal web page: <https://weigelworld.org/people.html>

Current professional situation

Employing entity: Max Planck Society, Germany
Type of entity: State agency
Department: Molecular Biology - WeigelLab, Max Planck Institute for Developmental Biology
Professional category: Researcher
Educational Management (Yes/No): Yes
City employing entity: Tübingen, Germany
Start date: 01/09/2020
Type of contract: Temporary employment contract
Dedication regime: Full time

Performed tasks: After completing a MSCA Individual Fellowship, in September 2020 I extended my stay in the lab of Detlef Weigel to work for DFG project "1001G3_1001 Genome Plus". Using PacBio, Nanopore and Illumina sequencing technologies my research aims to identify natural variation relevant for plant genome evolution and crop improvement, at somatic and population levels. My research is mostly focused on grapevine, but also on other woody crops as pistachio as well as in the model plant *Arabidopsis thaliana*. I study genetic variation ranging from complex genome structural variation (SV) to small InDels and SNPs. In addition we study epigenome variation for DNA methylation patterns.

Identify key words: Computational biology; Genetics; Climate change; Viticulture

Previous positions and activities

	Employing entity	Professional category	Start date
1	Max Planck Society, Germany	MSCA fellow	01/09/2018
2	Research Centre of Vine-and-Wine-related Science	Postdoctoral researcher	01/03/2018
3	Research Centre of Vine-and-Wine-related Science	Doctor FC3	10/11/2015
4	Research Centre of Vine-and-Wine-related Science	Postdoctoral researcher	15/07/2013
5	Research Centre of Vine-and-Wine-related Science	Postdoctoral researcher	15/03/2012
6	National Centre for Biotechnology	Postdoctoral researcher	01/04/2009
7	Molecular and Cellular Plant Biology Institute	Contratado como titulado superior de actividades técnicas y profesionales	01/04/2008
8	Molecular and Cellular Plant Biology Institute	Contratado como titulado superior de actividades técnicas y profesionales	01/05/2007
9	Molecular and Cellular Plant Biology Institute	Predocctoral FPU fellow	01/01/2003
10	University of Alicante	Intern student	2002

- 1** **Employing entity:** Max Planck Society, Germany **Type of entity:** State agency
Department: Weigel lab, Max Planck Institute for Developmental Biology
City employing entity: Tübingen, Stuttgart, Germany
Professional category: MSCA fellow **Educational Management (Yes/No):** Yes
Start-End date: 01/09/2018 - 31/08/2020 **Duration:** 2 years
Type of contract: Temporary employment contract
Dedication regime: Full time
Performed tasks: After being awarded with a MSCA Individual Fellowship, in September 2018 I joined the lab of Detlef Weigel. My project focused at generating reference-grade genome assemblies for relevant grapevine wine cultivars using Nanopore and PacBio technologies. I developed diploid-aware bioinformatic pipelines for genome assembly and annotation as well as for intra- and inter-varietal genome diversity studies.
Field of management activity: Public Research Body
- 2** **Employing entity:** Research Centre of Vine-and- Wine-related Science
Professional category: Postdoctoral researcher
Start-End date: 01/03/2018 - 31/08/2018
Type of contract: Temporary employment contract
Field of management activity: Public Research Body
- 3** **Employing entity:** Research Centre of Vine-and- Wine-related Science
Professional category: Doctor FC3
Start-End date: 10/11/2015 - 31/01/2018
Type of contract: Temporary employment contract
Field of management activity: Public Research Body
- 4** **Employing entity:** Research Centre of Vine-and- Wine-related Science
Professional category: Postdoctoral researcher
Start-End date: 15/07/2013 - 31/08/2015
Type of contract: Temporary employment contract
Field of management activity: Public Research Body



- 5** **Employing entity:** Research Centre of Vine-and- Wine-related Science
Professional category: Postdoctoral researcher
Start-End date: 15/03/2012 - 14/07/2013
- 6** **Employing entity:** National Centre for Biotechnology
Professional category: Postdoctoral researcher
Start-End date: 01/04/2009 - 31/12/2011
- 7** **Employing entity:** Molecular and Cellular Plant Biology Institute
Professional category: Contratado como titulado superior de actividades técnicas y profesionales
Start-End date: 01/04/2008 - 31/05/2008
- 8** **Employing entity:** Molecular and Cellular Plant Biology Institute
Professional category: Contratado como titulado superior de actividades técnicas y profesionales
Start-End date: 01/05/2007 - 31/08/2007
- 9** **Employing entity:** Molecular and Cellular Plant Biology Institute
Professional category: Predoctoral FPU fellow
Start-End date: 01/01/2003 - 31/12/2006
- 10** **Employing entity:** University of Alicante
Department: Departamento de Recursos Ambientales y Ciencias Naturales
Professional category: Intern student
Start date: 2002



Education

University education

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

University degree: Higher degree

Name of qualification: Degree in Biology

Degree awarding entity: Universidad de Alicante **Type of entity:** University

Date of qualification: 2002

Average mark: Excellent

Standardised degree: Yes

Doctorates

Doctorate programme: Biotechnology

Degree awarding entity: Universidad Politécnica de Valencia **Type of entity:** University

Date of degree: 11/09/2008

Obtained qualification: Excellent "cum laude"

Other postgraduate university studies

Postgraduate qualification: Diploma de Estudios Avanzados

Degree awarding entity: Universidad Politécnica de Valencia **Type of entity:** University

Faculty, institute or centre: Departamento de Biotecnología

Date of qualification: 25/07/2005

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
German	A2	A2	A2	A1	A1
Catalan	C1	C1	C1	C1	B2
English	C1	C1	C1	C1	C1
Spanish	C2	C2	C2	C2	C2



Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Study of the genetic and epigenetic landscapes of spontaneous genome rearrangements in grapevine
Type of project: Master Thesis
Entity: University of Zagreb
City of entity: Zagreb, Croatia
Student: Dominik Noršić
Date of reading: 29/10/2021
- 2** **Project title:** Genetic origin and phenotype diversity of Garnacha Blanca grapevine cultivar and molecular effects associated to grape color variation
Type of project: Doctoral thesis
Entity: Universidad de La Rioja
Student: Maite Rodríguez Lorenzo
Date of reading: 07/06/2019
Type of entity: University
- 3** **Project title:** Analysis of the molecular variation of a pleiotropic QTL with major effect on grapevine fertility and berry size
Type of project: Master thesis
Entity: Universidad de La Rioja
Student: Pablo Villoslada Blanco
Obtained qualification: 9 / 10
Date of reading: 09/07/2018
Quality recognition: Yes
Type of entity: University
- 4** **Project title:** The genetic and molecular bases of berry shape in grapevine (*Vitis vinifera* L.)
Type of project: Work leading to an ASD
Co-director of thesis: José M. Martínez-Zapater
Entity: Universidad de La Rioja
City of entity: Logroño, La Rioja, Spain
Student: Ewa Borzecka
Obtained qualification: 95/100
Identify key words: Genomics; Plant genetics; Genetic mapping; Viticulture; Grape
Date of reading: 05/09/2014
Type of entity: University

Healthcare experience



Other activities/achievements not included above

- 1 Other relevant activities:** Physalia course: Comparative Genomics
Entity where project took place: Physalia-courses
Organizing entity: Physalia-courses is a cooperation partner of the Free University of Berlin
City organizing entity: Berlin, Germany
End date: 25/09/2020 **Start date:** 21/09/2020
- 2 Other relevant activities:** Invited talks in international entities
Entity where project took place: PacBio Webinar series
End date: 03/06/2020
- 3 Other relevant activities:** Invited talks to international entities
Entity where project took place: Julius Kühn Institute for Grapevine Breeding, Germany
End date: 10/12/2019
- 4 Other relevant activities:** scienceplus workshop "Time management in academia: Aligning time and goals"
Entity where project took place: Max Planck Institute Tübingen
Organizing entity: Golin Wissenschaftsmanagement
City organizing entity: Berlin, Germany
End date: 29/11/2019 **Start date:** 29/11/2019
- 5 Other relevant activities:** scienceplus workshop "Project management in academia: Tools of the trade for challenges"
Entity where project took place: Max Planck Institute Tübingen
Organizing entity: Golin Wissenschaftsmanagement
City organizing entity: Berlin, Germany
End date: 28/11/2019 **Start date:** 28/11/2019
- 6 Other relevant activities:** EMBL course: Computing skills for reproducible research: software carpentry
Entity where project took place: EMBL Heidelberg, Germany
Organizing entity: European Molecular Biology Laboratory (EMBL)
End date: 18/10/2019 **Start date:** 16/10/2019
- 7 Other relevant activities:** EMBL course: Advanced training with Oxford Nanopore technologies
Entity where project took place: EMBL Heidelberg, Germany
Organizing entity: European Molecular Biology Laboratory (EMBL)
End date: 18/01/2019 **Start date:** 14/01/2019
- 8 Other relevant activities:** Workshop: How to start your own lab
Entity where project took place: Max Planck Institute Tübingen
Organizing entity: Schiller & Mertens
End date: 07/12/2018 **Start date:** 06/12/2018
- 9 Other relevant activities:** Invited talks to international entities
Entity where project took place: Institute of Plant Sciences-Paris Saclay, France
End date: 08/06/2018



- 10 Other relevant activities:** Curso "PROGRAMACIÓN DE SHELL SCRIPTS EN LINUX"
Entity where project took place: Gabinete de Formación del CSIC **Type of entity:** State agency
End date: 16/03/2018 **Start date:** 12/03/2018
- 11 Other relevant activities:** Presentation of divulgation articles
Entity where project took place: La semana vitivinícola **Type of entity:** Business
End date: 2018
- 12 Other relevant activities:** Presentation of divulgation articles
Entity where project took place: Cuaderno de campo **Type of entity:** Associations and Groups
End date: 2018
- 13 Other relevant activities:** Invited talk to the Scientific Workshop "¿Qué pueden aportar las ómicas en la vid?"
Entity where project took place: ICVV-Logroño, Spain
Organizing entity: Red de Excelencia para la Investigación en Viticultura (RedVitis)
End date: 31/03/2017
- 14 Other relevant activities:** Professor in LaVigne Academy
Entity where project took place: LALLEMAND BIO, S.L.
Organizing entity: LALLEMAND BIO, S.L.
End date: 08/03/2017
- 15 Other relevant activities:** Presentation of divulgation articles
Entity where project took place: Zubia **Type of entity:** Associations and Groups
End date: 2017
- 16 Other relevant activities:** Invited talks to international entities
Entity where project took place: INRA-Bordeaux, France **Type of entity:** Innovation and Technology Centres
End date: 15/04/2016
- 17 Other relevant activities:** Curso "INTRODUCCIÓN A LA BIOINFORMÁTICA 1º EDICIÓN"
Entity where project took place: Gabinete de Formación del CSIC **Type of entity:** State agency
End date: 13/04/2016 **Start date:** 12/04/2016
- 18 Other relevant activities:** Invited talks to international entities
Entity where project took place: Universidade Técnica de Lisboa, Portugal **Type of entity:** University
End date: 2013
- 19 Other relevant activities:** Presentation of divulgation articles
Entity where project took place: Acenologia **Type of entity:** Associations and Groups
End date: 2013
- 20 Other relevant activities:** Presentation of divulgation articles
Entity where project took place: Sociedad Española de Bioquímica y Biología Molecular **Type of entity:** Associations and Groups
End date: 2013



- 21 Other relevant activities:** Presentation of divulgation articles
Entity where project took place: Interempresas **Type of entity:** Business
End date: 23/07/2012
- 22 Other relevant activities:** Invited talks to international entities
Entity where project took place: Universidade Técnica de Lisboa, Portugal **Type of entity:** University
End date: 2011
- 23 Other relevant activities:** Training session on 12X grapevine genome annotation. Organized by COST 858
Entity where project took place: Unité de Recherches en Génomique Info (URGI), INRA **Type of entity:** Public Research Body
City of entity: Versailles, France
Organizing entity: COST Action
End date: 12/03/2009 **Start date:** 09/03/2009
- 24 Other relevant activities:** Curso "Radiaciones Ionizantes y no ionizantes"
Entity where project took place: Gabinete de Formación del CSIC **Type of entity:** State agency
End date: 06/11/2003 **Start date:** 05/11/2003
- 25 Other relevant activities:** Nanopore sequencing coordination
Entity where project took place: Max Planck Institute for Developmental Biology
Start date: 19/11/2018
- 26 Other relevant activities:** Microarray hybridisation platform coordination
Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera **Type of entity:** State agency
Start date: 01/02/2004

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:** Pistachio SMRT grant: "HiFi pan-genome and pan-transcriptome for pistachio adaptation to climate change"
Geographical area: European Union
Degree of contribution: Scientific coordinator
Entity where project took place: Max-Planck-Society **Type of entity:** State agency
City of entity: Tuebingen, Germany
Name principal investigator (PI, Co-PI....): Pablo Carbonell-Bejerano; Esaú Martínez; Grey Monroe; Adela Mena; Luigi Cattivelli; Annalisa Marchese
Type of participation: Co-ordinator
Name of the programme: PacBio HiFi SMRT grants
Start-End date: 01/05/2021 - 30/04/2022



Dedication regime: Part time

2 Name of the project: BIO2017-86375-R: Análisis y aplicación de la Variación Somática para la Innovación Varietal de la Vid

Entity where project took place: INSTITUTO DE CIENCIAS DE LA VID Y DEL VINO **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): Javier Ibáñez; José M. Martínez-Zapater

Funding entity or bodies:

Fundación Española para la Ciencia y la Tecnología **Type of entity:** MINECO

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2018 - 31/12/2021

3 Name of the project: 1001G3_1001 Genomes Plus

Geographical area: European Union

Degree of contribution: Researcher

Entity where project took place:

Type of entity: State agency

Max-Planck-Society

City of entity: Tuebingen, Germany

Name principal investigator (PI, Co-PI....): Magnus Nordborg; Detlef Weigel; Paul Kersey

Type of participation: Team member

Name of the programme: Deutsche Forschungsgemeinschaft (DFG)

Code according to the funding entity: 355701936

Start-End date: 01/09/2018 - 31/08/2021

Dedication regime: Full time

Applicant's contribution: Study mutation bias in Arabidopsis thaliana lines

4 Name of the project: SomaGrapeGenome ID: 797460 Fast-forward genomics of somatic variants adaptable to climate change for cultivar innovation in grapevine

Degree of contribution: Scientific coordinator

Entity where project took place:

Type of entity: State agency

Max-Planck-Society

City of entity: Tuebingen, Germany

Name principal investigator (PI, Co-PI....): Pablo Carbonell Bejerano; Detlef Weigel

Name of the programme: H2020-EU.1.3.2. - MSCA-IF

Start-End date: 01/09/2018 - 31/08/2020

Total amount: 159.460,8 €

Dedication regime: Full time

5 Name of the project: RTC-2015-3409-2 Selección de la variedad Cariñena en la D.O. Cariñena para la obtención de clones autóctonos de calidad enológica y resistentes al oidio

Entity where project took place: INSTITUTO DE CIENCIAS DE LA VID Y DEL VINO **Type of entity:** State agency

Name principal investigator (PI, Co-PI....): José M. Martínez-Zapater

Nº of researchers: 5

Start-End date: 01/01/2016 - 31/12/2018

Total amount: 536.532 €

6 Name of the project: BIO2014-59324 BASES MOLECULARES DE LA VARIACION GENETICA PARA EL COLOR, TAMAÑO Y FORMA DE LA BAYA EN LA VID

Entity where project took place: INSTITUTO DE CIENCIAS DE LA VID Y DEL VINO **Type of entity:** State agency



Name principal investigator (PI, Co-PI....): José M. Martínez-Zapater

Nº of researchers: 6

Funding entity or bodies:

Fundación Española para la Ciencia y la Tecnología **Type of entity:** MINECO

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2015 - 31/12/2017

7 Name of the project: InnoVine

Entity where project took place: 27 different partners from 7 European countries (Bulgaria, France, Germany, Hungary, Italy, Portugal and Spain)

City of entity: France

Name principal investigator (PI, Co-PI....): Anne-Françoise Adam-Blondon

Nº of researchers: 100

Funding entity or bodies:

European Union's Seventh Framework Programme **Type of entity:** Public Research Body for research

Start-End date: 01/01/2013 - 31/12/2016

Total amount: 8.500.000 €

8 Name of the project: Caracterización de los componentes de producción y composición de la variedad riojana de vid Tempranillo Blanco en relación con la variación somática del color de su baya

Entity where project took place: INSTITUTO DE CIENCIAS DE LA VID Y DEL VINO **Type of entity:** State agency

City of entity: Logroño, Spain

Name principal investigator (PI, Co-PI....): Pablo Carbonell Bejerano

Nº of researchers: 3

Funding entity or bodies:

Instituto de Estudios Riojanos

Type of entity: Gobierno de La Rioja

City funding entity: Logroño, La Rioja, Spain

Start-End date: 01/09/2015 - 31/08/2016

9 Name of the project: BIO2011-026229 Biología reproductiva y calidad del fruto en la vid

Entity where project took place: INSTITUTO DE CIENCIAS DE LA VID Y DEL VINO **Type of entity:** State agency

City of entity: Logroño, La Rioja, Spain

Name principal investigator (PI, Co-PI....): José M. Martínez-Zapater

Funding entity or bodies:

BIO2011- 26229

DGI

PN Biotecnología

Start-End date: 01/01/2012 - 31/12/2014

Total amount: 350.900 €

10 Name of the project: Implantación de un método de producción basado en el deshojado precoz de la variedad Loureira para la puesta en el mercado de un producto de calidad

Entity where project took place: Misión Biológica de Galicia **Type of entity:** State agency

City of entity: Pontevedra, Galicia, Spain

Name principal investigator (PI, Co-PI....): Mar Vilanova



Nº of researchers: 5

Funding entity or bodies:

Xunta de Galicia

Type of entity: Public Research Body

City funding entity: Galicia, Spain

Bodega Santiago Ruiz SAU

Type of entity: Business

City funding entity: El Rosal, Galicia, Spain

Start-End date: 01/11/2012 - 31/10/2014

Total amount: 59.850 €

11 Name of the project: AR2009-0021 Bilateral collaborative grant with Argentina

Entity where project took place: Universidad Nacional de Cuyo - CONICET

City of entity: Chacras de Coria, Argentina

Name principal investigator (PI, Co-PI....): Diego Lijavetzky; José M. Martínez-Zapater

Nº of researchers: 6

Funding entity or bodies:

Ministerio de Ciencia e Innovación. Investigación

Type of entity: Government Ministry

City funding entity: Madrid, Community of Madrid, Spain

Start-End date: 01/01/2010 - 31/12/2011

Total amount: 20.000 €

12 Name of the project: DEMETER, CENIT

Entity where project took place: National Centre for Biotechnology

Name principal investigator (PI, Co-PI....): José M. Martínez-Zapater

Funding entity or bodies:

CDTI

MICINN

Start-End date: 01/01/2009 - 31/12/2011

Total amount: 341.000 €

13 Name of the project: GRASP: Genomic research-assisted breeding for sustainable production of quality grapes and wine

Degree of contribution: Researcher

Entity where project took place: 15 partners from 6 European countries

City of entity: Germany

Name principal investigator (PI, Co-PI....): Eva Zyprian

Funding entity or bodies:

ERA-NET Plant Genomics (ERA-PG)

Start-End date: 01/07/2007 - 01/07/2010

Total amount: 1.546.496 €

14 Name of the project: BIO2002-04083-C03-02 Bases moleculares de la fructificación y senescencia del pistilo y transducción de señales hormonales

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera

Type of entity: State agency

Name principal investigator (PI, Co-PI....): Juan Carbonell Gisbert

Nº of researchers: 4

Funding entity or bodies:



DGICYT

Start-End date: 01/01/2003 - 31/12/2005**Duration:** 2 years - 11 months - 30 days**Participating entity/entities:** CSIC**Total amount:** 216.000 €

15 Name of the project: IBK 16-825 (IBEROGEN): DESARROLLO Y EXPLOTACIÓN DE LA VARIABILIDAD GENÉTICA DE LOS CULTIVARES TEMPRANILLO Y MALBEC, PARA SU ADAPTACIÓN A LAS CONDICIONES DE CAMBIO CLIMÁTICO

Entity where project took place: Bodegas Roda (España) y Vivero Mercier (Argentina)**City of entity:** Haro, La Rioja, Spain**Funding entity or bodies:**

Centro para el Desarrollo Tecnológico Industrial

Type of entity: Business**City funding entity:** Madrid, Community of Madrid, Spain**Start date:** 15/09/2016

16 Name of the project: BIO2005-07156-C02-01 Bases moleculares de la señalización hormonal en la fructificación

Entity where project took place: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera**Type of entity:** State agency**Name principal investigator (PI, Co-PI....):** Juan Carbonell Gisbert**Funding entity or bodies:**

DGICYT

Start date: 01/01/2006**Duration:** 2 years - 11 months - 30 days**Participating entity/entities:** CSIC**Total amount:** 190.000 €

R&D non-competitive contracts, agreements or projects with public or private entities

Name of the project: ANÁLISIS DEL EFECTO DE LOS TRATAMIENTOS CON EXTRACTOS DE LEVADURAS EN EL TRANSCRIPTOMA DE LA BAYA DE VID

Degree of contribution: Researcher**N° of researchers:** 4**Participating entity/entities:** INSTITUTO DE CIENCIAS DE LA VID Y DEL VINO; LALLEMAND BIO, S.L.**Funding entity or bodies:**

Lallemand Bio, S.L.

Type of entity: Business**Start date:** 01/09/2017**Duration:** 1 year**Total amount:** 40.000 €



Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1** Luciano Calderón; Nuria Mauri; Claudio Muñoz; Pablo Carbonell-Bejerano; Laura Bree; Daniel Bergamin; Cristobal Sola; Sebastian Gomez-Talquenca; Carolina Royo; Javier Ibáñez; JM Martínez-Zapater; Diego Lijavetzky. Whole genome resequencing and custom genotyping unveil clonal lineages in 'Malbec' grapevines (*Vitis vinifera* L.). *Scientific Reports*. 11 - 1, pp. 1 - 11. Nature Publishing Group, 05/2021.

Type of production: Scientific paper **Format:** Journal
Relevant publication: Yes
- 2** Lalla Hasna Zinelabidine; Rafael Torres-Pérez; J Grimplet; Elisa Baroja; Sergio Ibáñez; Pablo Carbonell-Bejerano; José Miguel Martínez-Zapater; Javier Ibáñez; Javier Tello. Genetic variation and association analyses identify genes linked to fruit set-related traits in grapevine. *Plant Science*. 306, pp. 110875 - 110875. Elsevier, 04/2021.

Type of production: Scientific paper **Format:** Journal
Relevant publication: Yes
- 3** D Marín; J Armengol; P Carbonell-Bejerano; JM Escalona; D Gramaje; E Hernández-Montes; DS Intrigliolo; JM Martínez-Zapater; H Medrano; José Manuel Mirás-Avalos; JE Palomares-Rius; Pascual Romero-Azorín; R Savé; LG Santesteban; Felicidad De Herralde. Challenges of viticulture adaptation to global change: tackling the issue from the roots. *Australian Journal of Grape and Wine Research*. 27 - 1, pp. 8 - 25. John Wiley & Sons Australia, Ltd Melbourne, 01/2021.

Type of production: Scientific paper **Format:** Journal
Relevant publication: Yes
- 4** Carolina Royo; Pablo Carbonell-Bejerano; Rafael Torres-Perez; Luisa Freire; Javier Ibañez; Jose Miguel Martínez-Zapater; Mar Vilanova. Is aromatic terpenoid composition of grapes in Northwestern Iberian wine cultivars related to variation in VviDXS1 gene?. *Journal of Berry Research*. Preprint, pp. 1 - 14. IOS Press, 2021.

Type of production: Scientific paper **Format:** Journal
Relevant publication: Yes
- 5** Tello J; Royo C; Baroja E; Martinez J; Garcia-Escudero E; Baroja E; García-Escudero E; Martinez-Zapater JM; Carbonell-Bejerano P. Reduced gamete viability associated to somatic genome rearrangements increases fruit set sensitivity to the environment in Tempranillo Blanco grapevine cultivar. *Scientia Horticulturae* (accepted in press). 2021.

Type of production: Scientific paper **Format:** Journal
Relevant publication: Yes
- 6** Royo C; Torres-Pérez R; Mauri N; Diestro N; Cabezas JA; Merchal C; Lacombe T; Ibáñez J; Tornel M; Carreño J; Martínez-Zapater JM; Carbonell-Bejerano P. The major origin of seedless grapes is associated with a missense mutation in the MADS gene VviAGL11. *Plant Physiology*. 177 - 3, pp. 1234 - 1253. 2018. Available on-line at: <<http://www.plantphysiol.org/content/177/3/1234>>.

Type of production: Scientific paper **Format:** Journal
Position of signature: 12 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 12 **Corresponding author:** Yes
Relevant publication: Yes

- 7** Carbonell-Bejerano P; Royo C; Torres-Pérez R; Grimplet J; Fernández L; Franco-Zorrilla JM; Lijavetzky D; E Baroja; Martínez J; García-Escudero E; Ibáñez J; Martínez-Zapater JM. Catastrophic Unbalanced Genome Rearrangements Cause Somatic Loss of Berry Color in Grapevine. *Plant Physiology*. 175 - 2, pp. 786 - 801. 2017.
Type of production: Scientific paper
Position of signature: 1
Format: Journal
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
Impact source: ISI
Impact index in year of publication: 6.45
Category: Plant Sciences
Journal in the top 25%: Yes
Relevant publication: Yes
- 8** Díaz-Riquelme J; Zhurov V; Rioja C; Pérez-Moreno I; Torres-Pérez R; Grimplet J; Carbonell-Bejerano P; Bajda S; Van Leeuwen T; Martínez-Zapater JM; Grbic M; Grbic V. Comparative genome-wide transcriptome analysis of *Vitis vinifera* responses to adapted and non-adapted strains of two-spotted spider mite, *Tetranychus urticae*. *BMC Genomics*. 17 - 1, pp. 74. 2016.
Type of production: Scientific paper
Format: Journal
Relevant publication: Yes
- 9** Royo C*; Carbonell-Bejerano P*; Torres-Pérez R; Nebish A; Martínez Ó; Rey M; Aroutiounian R; Ibáñez J; Martínez-Zapater JM. Developmental, transcriptome, and genetic alterations associated with parthenocarp in the grapevine seedless somatic variant Corinto Bianco. *Journal of Experimental Botany*. 67 - 1, pp. 259 - 273. 2016.
Type of production: Scientific paper
Format: Journal
Position of signature: 1
Corresponding author: Yes
Impact source: ISI
Impact index in year of publication: 5.83
Category: Plant Sciences
Journal in the top 25%: Yes
Relevant publication: Yes
- 10** Carbonell-Bejerano P; Rodríguez V; Hernáiz S; Royo C; Dal Santo S; Pezzotti M; Martínez-Zapater JM. Reducing sampling bias in molecular studies of grapevine fruit ripening: transcriptomic assessment of the density sorting method. *Theoretical and Experimental Plant Physiology*. 28 - 1, pp. 109 - 129. 2016.
DOI: 10.1007/s40626-016-0059-5
Type of production: Scientific paper
Format: Journal
Position of signature: 1
Corresponding author: Yes
Relevant publication: Yes
- 11** Rocheta M; Coito JL; Ramos MJ; Carvalho L; Becker JD; Carbonell-Bejerano P; Amancio S. Transcriptomic comparison between two *Vitis vinifera* L. varieties (Trincadeira and Touriga Nacional) in abiotic stress conditions. *BMC Plant Biology*. 16 - 1, pp. 224. 2016.
Type of production: Scientific paper
Format: Journal
Relevant publication: Yes
- 12** Tello J; Torres-Pérez R; Grimplet J; Carbonell-Bejerano P; Martínez-Zapater JM; Ibáñez J. Polymorphisms and minihaplotypes in the VvNAC26 gene associate with berry size variation in grapevine. *BMC Plant Biology*. 15 - 253, 2015.
Type of production: Scientific paper
Format: Journal
Relevant publication: Yes



- 13** Agudelo-Romero P; Erban A; Rego C; Carbonell-Bejerano P; Nascimento T; Sousa L; Martínez-Zapater JM; Kopka J; Fortes AM. Transcriptome and metabolome reprogramming in *Vitis vinifera* cv. Trincadeira berries upon infection with *Botrytis cinerea*. *Journal of Experimental Botany*. 66 - 7, pp. 1769 - 1785. 2015.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Plant Sciences
Impact index in year of publication: 5.68 **Journal in the top 25%:** Yes
Relevant publication: Yes
- 14** Pablo Carbonell-Bejerano; Virginia Rodriguez; Carolina Royo; Silvia Hernaiz; Luis Moro-Gonzalez; Montserrat Torres-Vinals; Jose Martinez-Zapater. Circadian oscillatory transcriptional programs in grapevine ripening fruits. *BMC Plant Biology*. 14 - 1, pp. 78. 2014.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Corresponding author: Yes
Relevant publication: Yes
- 15** Lorena Almagro*; Pablo Carbonell-Bejerano*; Sarai Belchí-Navarro; Roque Bru; José M. Martínez-Zapater; Diego Lijavetzky; María A. Pedreño. Dissecting the Transcriptional Response to Elicitors in *Vitis vinifera* Cells. *PLoS ONE*. 9 - 10, pp. e109777 - e109777. Public Library of Science, 2014.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Relevant publication: Yes
- 16** Pablo Carbonell-Bejerano; Maria-Paz Diago; Javier Martinez-Abaigar; Jose Martinez-Zapater; Javier Tardaguila; Encarnacion Nunez-Olivera. Solar ultraviolet radiation is necessary to enhance grapevine fruit ripening transcriptional and phenolic responses. *BMC Plant Biology*. 14 - 1, pp. 183 - 183. 2014.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Corresponding author: Yes
Relevant publication: Yes
- 17** Pablo Carbonell-Bejerano; Eva Santa María; Rafael Torres-Pérez; Carolina Royo; Diego Lijavetzky; Gema Bravo; Jone Aguirreolea; Manuel Sánchez-Díaz; M. Carmen Antolín; José M. Martínez-Zapater. Thermotolerance Responses in Ripening Berries of *Vitis vinifera* L. cv Muscat Hamburg. *Plant and Cell Physiology*. 54 - 7, pp. 1200 - 1216. 2013.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Corresponding author: Yes
Impact source: ISI **Category:** Plant Sciences
Impact index in year of publication: 4.98 **Journal in the top 25%:** Yes
Relevant publication: Yes
- 18** Lijavetzky D*; Carbonell-Bejerano P*; Grimplet J; Bravo G; Flores P; Fenoll J; Hellín P; Oliveros JC; Martínez-Zapater JM. Berry Flesh and Skin Ripening Features in *Vitis vinifera* as Assessed by Transcriptional Profiling. *PLoS ONE*. 7, pp. e39547. 2012.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Corresponding author: Yes
Relevant publication: Yes



- 19** Grimplet J; Van Hemert J; Carbonell-Bejerano P; Diaz-Riquelme J; Fennell A; Pezzotti M; Martínez-Zapater JM. Comparative analysis of grapevine whole-genome predictions, functional annotation and categorization of the predicted gene sequences. *BMC Research Notes*. 5, pp. 213. 2012.
Type of production: Scientific paper **Format:** Journal
Relevant publication: Yes
- 20** Carbonell-Bejerano P; Urbez C; Carbonell J; Granell A; Perez-Amador MA. Ethylene is involved in pistil fate by modulating the onset of ovule senescence and the GA-mediated fruit set in *Arabidopsis*. *BMC Plant Biology*. 11, pp. 84. 2011.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Relevant publication: Yes
- 21** Carbonell-Bejerano P; Urbez C; Carbonell J; Granell A; Perez-Amador MA. A fertilization-independent developmental program triggers partial fruit development and senescence processes in pistils of *Arabidopsis*. *Plant Physiology*. 154, pp. 163 - 172. 2010.
Type of production: Scientific paper **Format:** Journal
Position of signature: 1
Impact source: ISI
Impact index in year of publication: 6.45
Relevant publication: Yes
- 22** Agudelo-Romero P; Carbonell P; de la Iglesia F; Carrera J; Rodrigo G; Jaramillo A; Pérez-Amador MA; Elena SF. Changes in the gene expression profile of *Arabidopsis thaliana* after infection with Tobacco etch virus. *Virology Journal*. 5, pp. 92. 2008.
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Relevant publication: Yes
- 23** Ortiz-Masia D; Perez-Amador MA; Carbonell P; Aniento F; Carbonell J; Marcote MJ. Characterization of PsMPK2, the first C1 subgroup MAP kinase from pea (*Pisum sativum* L.). *Planta*. 277, pp. 1333 - 1342. 2008.
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Relevant publication: Yes
- 24** Agudelo-Romero P; Carbonell P; Perez-Amador MA; Elena SF. Virus adaptation by manipulation of host's gene expression. *PLoS ONE*. 11, pp. e2387. 2008.
Type of production: Scientific paper **Format:** Journal
Position of signature: 2
Relevant publication: Yes
- 25** Bueso E; Alejandro S; Carbonell P; Perez-Amador MA; Fayos J; Bellés JM; Rodriguez PL; Serrano R. The lithium tolerance of the *Arabidopsis cat2* mutant reveals a cross-talk between oxidative stress and ethylene. *The Plant Journal*. 52, pp. 1052 - 1065. 2007.
Type of production: Scientific paper **Format:** Journal
Position of signature: 3
Impact source: ISI **Category:** Plant Sciences
Impact index in year of publication: 6.75 **Journal in the top 25%:** Yes
Relevant publication: Yes



- 26** J Grey Monroe; Thanvi Srikant; Pablo Carbonell-Bejerano; Claude Becker; Moises Exposito-Alonso; Julia Hildebrandt; Manuela Neumann; Mao-Lun Weng; Eric Imbert; Matthew T Rutter; Charles B Fenster; Detlef Weigel. Adaptive mutation bias in *Arabidopsis thaliana*. *Nature* (under review).
Type of production: Scientific paper **Format:** Journal
Relevant publication: Yes
- 27** Adam Nunn; Isaac Rodríguez-Arévalo; Zenith Tandukar; Katherine Frels; Adrian Contreras-Garrido; Pablo Carbonell-Bejerano; Panpan Zhang; Daniela Ramos-Cruz; Katharina Jandrasits; Christa Lanz; Anthony Brusa; Marie Mirouze; Kevin Dorn; Brice Jarvis; John Sedbrook; Donald L. Wyse; Christian Otto; David Langenberger; Detlef Weigel; M. David Marks; James A. Anderson; Claude Becker; Ratan Chopra. Chromosome-level *Thlaspi arvense* genome provides new tools for translational research and for a newly domesticated cash cover crop of the cooler climates. *Plant Cell* (under review).
Type of production: Scientific paper **Format:** Journal
Relevant publication: Yes
- 28** Delrot S; Grimplet J; Carbonell-Bejerano P; Dalla Costa I; Schwandner A; Bert PF; Bavaresco L; Di Gaspero G; Duchêne E; Hausmann L; Malnoy M; Morgante M; Ollat N; Pecile M; Vezzulli S. Genetic and genomic approaches for adaptation of grapevine to climate change. *Genomic designing of climate smart fruit crops* (Ed C. Kole). pp. 157 - 270. Springer, 2020. Available on-line at: <https://doi.org/10.1007/978-3-319-97946-5_7>. ISBN 978-3-319-97946-5
Type of production: Book chapter **Format:** Book
Relevant publication: Yes
- 29** Carbonell-Bejerano P; Royo C; Mauri N; Ibáñez J; Martínez-Zapater JM. Somatic variation in cultivar innovation. *Advances in Grape and Wine Biotechnology* (Ed Antonio Morata, Iris Loira). IntechOpen, 2019. Available on-line at: <<https://doi.org/10.5772/intechopen.86443>>. ISBN 978-1-78984-613-3
Type of production: Book chapter **Format:** Book
Relevant publication: Yes
- 30** Carbonell-Bejerano P; Carvalho LC; Eiras-Dias JE; Martínez-Zapater JM; Amâncio S. Exploiting *Vitis* genetic diversity to manage with stress. *Grapevine in a Changing Environment: A Molecular and Ecophysiological Perspective* (Eds H. Gerós, M.M. Chaves, H. Medrano, S. Delrot). 15, pp. 347 - 380. John Wiley & Sons, Ltd, Chichester, UK, 2016. ISBN 978-1-118-73605-0
Type of production: Book chapter **Format:** Book
Position of signature: 1
Relevant publication: Yes
- 31** Luciano Calderón; Nuria Mauri; Claudio Muñoz; Pablo Carbonell-Bejerano; Laura Bree; Cristobal Sola; Sebastian Gomez-Talquenca; Carolina Royo; Javier Ibáñez; Jose Miguel Martinez-Zapater; Diego Lijavetzky. Clonal propagation history shapes the intra-cultivar genetic diversity in Malbec grapevines. *bioRxiv*. Cold Spring Harbor Laboratory, 2020.
Type of production: Scientific paper **Format:** Journal
- 32** J Grey Monroe; Thanvi Srikant; Pablo Carbonell-Bejerano; Moises Exposito-Alonso; Mao-Lun Weng; Matthew T Rutter; Charles B Fenster; Detlef Weigel. Mutation bias shapes gene evolution in *Arabidopsis thaliana*. *bioRxiv*. Cold Spring Harbor Laboratory, 2020.
Type of production: Scientific paper **Format:** Journal
- 33** Carbonell-Bejerano P; Bezrukov I; Royo C; Lanz C; Ferradas Y; Ibáñez J; Martínez-Zapater JM; Weigel D. Phased genome variation in improved clones of Tempranillo grapevine cultivar. in preparation.
Type of production: Scientific paper **Format:** Journal
Corresponding author: Yes

- 34** Maite Rodríguez Lorenzo; Félix Cibriain Sabalza; Ana Sagüés Sarasa; José Miguel Martínez Zapater; Javier Ibáñez Marcos; Pablo Carbonell Bejerano; Carolina Royo Brun; Nuria Mauri. Conociendo a la variedad Garnacha Blanca. Navarra agraria. 236, pp. 29 - 36. INTIA Tecnologías e Infraestructuras Agroalimentarias, 2019.
Type of production: Popular science article **Format:** Journal
- 35** Ferrer-Gallego P; Pablo Carbonell-Bejerano; Royo C; Ibáñez J; Ferrer-Gallego R. Bobal Blanco, ¿una variedad genuina?. La Semana Vitivinícola. 3532, pp. 2 - 7. www.sevi.net, 2018. Available on-line at: <<http://www.sevi.net/es/3532/94/12688/Bobal-Blanco-¿una-variedad-genuina-bobal-blanco-ampelografia-taxonomia-viticultura-vitec.htm>>.
Type of production: Popular science article **Format:** Journal
Position of signature: 2
Relevant publication: No
- 36** Pablo Carbonell-Bejerano; Royo C; Ibáñez J; Martínez J; Baroja E; Garcia-Escudero E; José M. Martínez-Zapater. Tempranillo Blanco: origen, presente y futuro. Cuaderno de Campo. 61, pp. 36 - 39. 2018. Available on-line at: <<http://www.larioja.org/larioja-client/cm/agricultura/images?idMmedia=1024302>>. ISSN 1137-2095
Type of production: Popular science article **Format:** Journal
Position of signature: 1
Relevant publication: No
- 37** Pablo Carbonell-Bejerano; Royo C; Ibáñez J; José M. Martínez-Zapater. Claves moleculares de la variación somática en la vid. ACENOLOGIA. 159, Asociación Catalana de Enólogos (ACE), 2017. Available on-line at: <http://www.acenologia.com/cienciaytecnologia/claves_moleculares_somatica_cienc0217.htm>.
Type of production: Popular science article **Format:** Journal
Position of signature: 1
- 38** Rogríguez-Lorenzo M; Pablo Carbonell-Bejerano; Royo C; Cibriain F; Suberviola J; Martínez J; Sagüés-Sarasa A; Ibáñez J; José M. Martínez-Zapater. Caracterización de delecciones causantes de cambios en el color de la uva mediante evaluación de la heterocigosidad de marcadores SNP. Zubia. 29, pp. 121 - 140. Instituto de Estudios Riojanos, 2017. ISSN 0213-4306
Type of production: Popular science article **Format:** Book
Relevant publication: No
- 39** Pablo Carbonell-Bejerano; José M. Martínez-Zapater. Estructura i composicio del raïm i la seva contribucio al vi. ACENOLOGIA. 30 - 98, pp. 5 - 10. Asociación Catalana de Enólogos (ACE), 30/10/2013. Available on-line at: <http://www.acenologia.com/cienciaytecnologia/estructura_composicion_vino_cienc1013.htm>. ISSN 0212-842X
Type of production: Popular science article **Format:** Journal
Position of signature: 1
- 40** Pablo Carbonell-Bejerano; José M. Martínez-Zapater. Estructura y composición de la uva y su contribución al vino. SEBBM. 176, pp. 5 - 9. Sociedad Española de Bioquímica y Biología Molecular, 2013. Available on-line at: <http://www.sebbm.com/revista/imagenes/revistasebbm_0176.pdf>. ISSN 1696-473X
Type of production: Popular science article **Format:** Journal
Position of signature: 1 **Degree of contribution:** Author or co-author of scientific or technical document for the general public
- 41** Carbonell-Bejerano P; Rodriguez V; Hernáiz S; Royo C; Grimplet J; Martínez-Zapater JM. Clasificación de uvas según su densidad en estudios de expresión génica en la maduración. Interempresas. 23/07/2012.
Type of production: Popular science article **Format:** Journal
Position of signature: 1 **Degree of contribution:** Author or co-author of scientific or technical document for the general public



- 42** Royo C; Rogríguez-Lorenzo M; Pablo Carbonell-Bejerano; Mauri N; Cibriain F; Suberviola J; Sagües A; Ibañez J; José M. Martínez-Zapater. Characterization of deletions causing berry color variation in Garnacha and Tempranillo. *Acta Horticulturae*. ISHS, 2018.
Type of production: Scientific edition **Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 43** José M. Martínez-Zapater; Pablo Carbonell-Bejerano; Royo C; Torres-Perez R; Diestro N; Grimplet J; Mauri N; Ibañez J. Genetic variation for grapevine reproductive development. *Acta Horticulturae*. ISHS, 2018.
Type of production: Scientific edition **Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 44** Pablo Carbonell-Bejerano; Rogríguez-Lorenzo M; Mauri N; Royo C; Renaud H; Rambla JL; Diretto G; Granell A; Delrot S; José M. Martínez-Zapater. Grape color variation involves genetic and micro-environmental changes that alter berry phenolic and aromatic composition. *Acta Horticulturae*. ISHS, 2018.
Type of production: Scientific edition **Format:** Book
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Corresponding author: Yes
- 45** Royo C; Carbonell-Bejerano P; Diestro N; Torres-Pérez R; Cabezas JA; Tornel M; Carreño J; Martínez-Zapater JM. Relación entre cascadas inmunitarias dependientes de ácido salicílico y el principal locus de control genético de la apirenia en la vid. *Actas de Horticultura*. 76, pp. 75 - 79. Eds. P Baeza y L.G. Santesteban, 2016. ISBN 978-84-617-6515-7
Type of production: Congress Book Article **Format:** Book
- 46** Carbonell-Bejerano P; Torres-Pérez R; Arrizabalaga-Arriazu M; Oyarzun M; Royo C; Baroja E; García-Escudero E; Morales F; Pascual I; Martínez-Zapater JM. Selección y caracterización genética de clones de 'Tempranillo' con ciclo de maduración adaptable al cambio climático. *Actas de Horticultura*. 76, pp. 23 - 27. Eds. P Baeza y L.G. Santesteban, 2016. ISBN 978-84-617-6515-7
Type of production: Congress Book Article **Format:** Book
Corresponding author: Yes
- 47** Carbonell-Bejerano P; Royo C; Baroja E; Martínez J; García-Escudero E; Baroja E; García-Escudero E; Martínez-Zapater JM. Tempranillo Blanco muestra una reducción en la viabilidad gamética que aumenta la sensibilidad ambiental del cuajado del fruto. *Actas de Horticultura*. 76, pp. 49 - 52. Eds. P Baeza y L.G. Santesteban, 2016. ISBN 978-84-617-6515-7
Type of production: Congress Book Article **Format:** Book
- 48** Agudelo-Romero SP; Erban A; Rego C; Nascimento T; Carbonell-Bejerano P; Sousa L; Martínez-Zapater JM; Kopka J; Fortes A. Transcript and metabolite analysis of *Vitis vinifera* cv. Trincadeira berries infected with *Botrytis cinerea* reveals a suppression of developmentally activated defenses. *FEBS Journal*. 281 - SI1, pp. 767 - 768. 2014. ISSN 1742-464X
Type of production: Conference book article **Format:** Journal
- 49** Pereira L; Carbonell-Bejerano P; Torres-Pérez R; Royo C; Yuste J; Martínez-Zapater JM. Análisis fenotípico y molecular de la variante de fruto oval en la variedad de vid Prieto Picudo. *Actas de Horticultura*. 70, pp. 79 - 84. Eds. E. Gracia-Escudero and I. Martín, 2014. ISBN 978-84-8125-675-8
Legal deposit: LR-847-2014
Type of production: Congress book article **Format:** Book
Position of signature: 2



- 50** Borzecka E; Diestro N; Royo C; Carreño J; Carbonell-Bejerano P; Martínez-Zapater JM. Análisis genético y molecular de la forma de la uva en la vid. *Actas de Horticultura*. 70, pp. 85 - 90. Eds. E. Gracia-Escudero and I. Martín, 2014. ISBN 978-84-8125-675-8
Legal deposit: LR-847-2014
Type of production: Congress book article **Format:** Book
- 51** Martínez-Zapater JM; Fernández L; Torres-Pérez R; Royo C; Grimplet J; Carbonell-Bejerano P; Lijavetzky D; Baroja E; Martínez J; García-Escudero E; Ibáñez J. Base genética y molecular de la variación somática en la vid. *Actas de Horticultura*. 70, pp. 47 - 53. Eds. E. Gracia-Escudero and I. Martín, 2014. ISBN 978-84-8125-675-8
Legal deposit: LR-847-2014
Type of production: Congress book article **Format:** Book
- 52** Agudelo-Romero P; Erban A; Rego C; Nascimento T; Carbonell-Bejerano, Pablo; Sousa L; Martínez-Zapater JM; Kopka J; Fortes AM. Transcript and metabolite analysis of *Vitis vinifera* cv. Trincadeira berries infected with *Botrytis cinerea* reveals an activation of a non sustained plant defense response. *Journal of Ecosystem & Ecography*. 4 - 3, pp. 48 - 49. OMICS group, 2014. Available on-line at: <<http://dx.doi.org/10.4172/2157-7625.S1.016>>. ISSN 2157-7625
Type of production: Congress book article **Format:** Journal
- 53** Carbonell-Bejerano P; Rodríguez V; Hernáiz S; Grimplet J; Royo C; Martínez-Zapater JM. Análisis transcriptómico de la maduración en uvas de 'Tempranillo' y 'Albariño' (*Vitis vinifera* L.) clasificadas según su densidad. *Actas de Horticultura*. 60, pp. 554 - 557. Eds. Pedro Gómez Jiménez de Cisneros, 2012. ISBN 978-84-615-7861-0
Legal deposit: AL-192-2012
Type of production: Congress book article **Format:** Book
Position of signature: 1
- 54** Carbonell P; Granell A; Carbonell J; Pérez-Amador MA. El etileno modula la senescencia del óvulo en *Arabidopsis thaliana*. *Fitohormonas: Metabolismo y Modo de Acción* (Eds. Isabel Diaz y Manuel Martínez).pp. 165 - 170. Servicio Publicaciones de la ETSIA Madrid. ISBN 9787847740121079, 2008.
Type of production: Congress book article **Format:** Book
Position of signature: 1
- 55** Carbonell P; Urbez C; Carbonell J; Granell A; Pérez-Amador MA. Un análisis transcriptómico del desarrollo y la senescencia del pistilo de *Arabidopsis thaliana* revela la participación del ácido jasmónico, el ácido salicílico y el etileno. *Fitohormonas: Metabolismo y modo de acción*. (Gomez Cadenas y Pilar García Agustín eds).pp. 153 - 157. Colección Ciencias Experimentales, nº8, Universitat Jaime I Publicacions. ISBN 8478021756175, 2006. ISBN 978-84-8021-561-9
Type of production: Congress book article **Format:** Book
Position of signature: 1
Degree of contribution: Author or co-author of article in journal without external admissions assessment committee

Works submitted to national or international conferences

- 1** **Title of the work:** A completely phased diploid genome assembly for 'Malbec' cultivar (*Vitis vinifera* L.)
Name of the conference: XVIII Latin American Congress of Genetics (ALAG | 2021)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster'
City of event: Valdivia, Chile
Date of event: 05/10/2021
End date: 08/10/2021
City organizing entity: Asociación Latinoamericana de Genética (ALAG),



With external admission assessment committee: Yes

Calderón L; Carbonell-Bejerano P; Muñoz C; Bree L; Sola C; Weigel D; Lijavetzky D.

- 2** **Title of the work:** Genome assemblies to track clonal improvement and agronomic trait diversity in grapevine
Name of the conference: CRAG SPECIAL SEMINAR SERIES: SERIES 2021 New Perspectives from Spanish Junior Researchers
Type of event: Seminar **Geographical area:** National
Type of participation: Participatory - invited/keynote talk
City of event: online, Spain
Date of event: 17/09/2021
End date: 17/09/2021
Organising entity: CONSORCI CSIC-IRTA-UAB CENTRE DE RECERCA EN AGRIGENOMICA (CRAG)
City organizing entity: Spain
With external admission assessment committee: No
Carbonell-Bejerano P.
- 3** **Title of the work:** Genome assemblies to track clonal improvement and agronomic trait diversity in grapevine
Name of the conference: The Workshop on Tree Biotechnology
Type of event: Workshop **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk
City of event: online, China
Date of event: 16/08/2021
End date: 16/08/2021
Organising entity: Huazhong Agricultural University
City organizing entity: Huazhong, China
With external admission assessment committee: No
Carbonell-Bejerano P.
- 4** **Title of the work:** Characterization of a flower sex mutant in *Vitis vinifera*
Name of the conference: XV Reunión de Biología Molecular de Plantas
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Malaga, Spain
Date of event: 26/11/2020
End date: 27/11/2020
Organising entity: Universidad de Málaga **Type of entity:** University
With external admission assessment committee: No
Alañon-Sanchez N; Mauri N; Carbonell-Bejerano P; Martínez-Zapater JM; Ibañez J; Tello J.
- 5** **Title of the work:** Grape skin color recovery in Albariño and Verdejo somatic variants by independent regain of MybA1 or MybA2 function
Name of the conference: XV Reunión de Biología Molecular de Plantas
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Malaga, Spain
Date of event: 26/11/2020
End date: 27/11/2020
Organising entity: Universidad de Málaga **Type of entity:** University
With external admission assessment committee: No



Royo C; Ferradas Y; Mauri N; Rey, Manuel; Carbonell-Bejerano P; Yuste J; Motilva MJ; Martínez-Zapater JM.

- 6** **Title of the work:** Identification of genes involved in grapevine reproductive performance via association genetics
Name of the conference: XV Reunión de Biología Molecular de Plantas
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Malaga, Spain
Date of event: 26/11/2020
End date: 27/11/2020
Organising entity: Universidad de Málaga **Type of entity:** University
With external admission assessment committee: No
Zinelabidine LH; Torres-Perez R; Grimplet J; Baroja E; Ibañez S; Carbonell-Bejerano P; Martínez-Zapater JM; Ibañez J; Tello J.
- 7** **Title of the work:** Phased genome assembly to track clonal improvement in Tempranillo grapevine cultivar
Name of the conference: XV Reunión de Biología Molecular de Plantas
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Malaga, Spain
Date of event: 26/11/2020
End date: 27/11/2020
Organising entity: Universidad de Málaga **Type of entity:** University
With external admission assessment committee: Yes
Carbonell-Bejerano P; Lanz C; Bezrukov I; Royo C; Mauri N; Ferradas Y; Ibañez J; Martínez-Zapater JM; Weigel Detlef.
- 8** **Title of the work:** Somatic embryogenesis as a tool for regeneration of plants with different genotype profiles from grapevine periclinal chimeras
Name of the conference: XV Reunión de Biología Molecular de Plantas
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Malaga, Spain
Date of event: 26/11/2020
End date: 27/11/2020
Organising entity: Universidad de Málaga **Type of entity:** University
With external admission assessment committee: No
Ferradas Y; Royo C; Carbonell-Bejerano P; Baroja E; Garcia-Escudero E; Rey, Manuel; Martínez-Zapater JM.
- 9** **Title of the work:** Elucidating the origin of grapevine agronomic traits with PacBio genome assembly and Iso-seq analysis
Name of the conference: PacBio Global Summit
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk
City of event: online, United States of America
Date of event: 17/11/2020
End date: 18/11/2020
Organising entity: Pacific Biosciences (PacBio)
Carbonell-Bejerano P.



- 10** **Title of the work:** Haplotype-resolved assembly and annotation of grape genomes with long-read sequencing
Name of the conference: PacBio Webinar Series
Type of event: Seminar **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk
City of event: online,
Date of event: 03/06/2020
End date: 03/06/2020
Organising entity: Pacific Biosciences (PacBio)
City organizing entity: United States of America
Carbonell-Bejerano P.
- 11** **Title of the work:** Genomic study of somatic variation as a source of cultivar innovation in grapevine
Name of the conference: JKI wissenschaftlichen Kolloquium
Type of event: Seminar **Geographical area:** European Union
Type of participation: Participatory - invited/keynote talk
City of event: Siebeldingen, Germany
Date of event: 10/12/2019
End date: 10/12/2019
Organising entity: Julius Kühn-Institut (JKI), Federal Research Centre for Cultivated Plants, Institute for Grapevine Breeding
With external admission assessment committee: No
Carbonell-Bejerano P.
- 12** **Title of the work:** Genomic origin and molecular consequences of grape color variation insomatic variants
Name of the conference: International Conference on Grape Genomics and Genetic Breeding
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - invited/keynote talk
City of event: Nanjing, China
Date of event: 24/09/2019
End date: 27/09/2019
Organising entity: Nanjing Agricultural University
City organizing entity: Nanjing, China
With external admission assessment committee: No
Carbonell-Bejerano P.
- 13** **Title of the work:** Genomic variation and clone gentyotyping in *Vitis vinifera* L. 'Malbec
Name of the conference: XII International Conference on LXIII Convegno Annuale "Science and innovation for sustainable agriculture intensification: the contribution of plant genetics and breeding". Breeding and Genetics
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Napoli, Italy
Date of event: 10/09/2019
End date: 13/09/2019
With external admission assessment committee: Yes
Calderón L; Mauri N; Muñoz C; Bree L; Carbonell-Bejerano P; Royo C; Sola C; Martínez-Zapater JM; Lijavetzky D.



- 14** **Title of the work:** A missense mutation in the MADS-box gene VviAGL11 responsible for seedlessness in table grapes
Name of the conference: XXIII Reunión bianual de la Sociedad Española de Fisiología Vegetal y el XVI Congreso Hispano-Luso de Fisiología Vegetal
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Pamplona, Spain
Date of event: 26/06/2019
End date: 28/06/2019
Organising entity: SEFV
With external admission assessment committee: Yes
Royo C; Torres-Perez R; Mauri N; Diestro N; Cabezas JA; Marchal C; Lacombe T; Ibáñez J; Tornel M; Carreño J; Martínez-Zapater JM; Carbonell-Bejerano P.
- 15** **Title of the work:** Somatic embryogenesis as tool to generate improved white berried grapevine lines from red berried periclinal chimeras in Tempranillo cultivar
Name of the conference: XXIII Reunión bianual de la Sociedad Española de Fisiología Vegetal y el XVI Congreso Hispano-Luso de Fisiología Vegetal
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - oral communication
City of event: Pamplona, Spain
Date of event: 26/06/2019
End date: 28/06/2019
Organising entity: SEFV
With external admission assessment committee: Yes
Ferradas Y; Royo C; Rodriguez-Lorenzo M; Carbonell-Bejerano P; Baroja E; Garcia-Escudero E; Rey M; Martínez-Zapater JM.
- 16** **Title of the work:** Genome assembly of Tempranillo grapevine cultivar using Nanopore and PacBio sequencing
Name of the conference: Tübingen Bioinformatics Tag (TüBiT)
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - poster
City of event: Tübingen, Germany
Date of event: 04/2019
End date: 29/11/2018
Organising entity: Universität Tübingen
Carbonell-Bejerano, Pablo; Christa Lanz; Ilja Bezrukov; Royo C; Martínez-Zapater JM; Detlef Weigel.
- 17** **Title of the work:** LA VARIACIÓN PARA EL COLOR DE LA UVA IMPLICA CAMBIOS GENÉTICOS Y MICRO-AMBIENTALES QUE ALTERAN SU COMPOSICIÓN FENÓLICA Y AROMÁTICA
Name of the conference: III Jornadas del Grupo de Viticultura
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - poster
City of event: Palma de Mallorca, Spain
Date of event: 28/11/2018
End date: 29/11/2018
Organising entity: SECH
With external admission assessment committee: No
Rodríguez-Lorenzo M; Royo C; Mauri N; Hilbert G; Renaud C; Rambla JL; Direccion G; Granell A; Delrot S; Martínez-Zapater JM; Carbonell-Bejerano P.



- 18** **Title of the work:** Variación genética para el desarrollo reproductivo de la vid
Name of the conference: III Jornadas del Grupo de Viticultura
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Palma de Mallorca, Spain
Date of event: 28/11/2018
End date: 29/11/2018
Organising entity: SECH
With external admission assessment committee: Yes
Martínez-Zapater JM; Royo C; Torres-Perez R; Diestro N; Grimplet G; Mauri N; Ibañez J; Carbonell-Bejerano P.
- 19** **Title of the work:** A missense mutation in the MADS-box gene VviAGL11 is responsible for seedlessness in table grapes
Name of the conference: International Congress on Grapevine and Wine Sciences
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Logroño, Spain
Date of event: 07/11/2018
End date: 09/11/2018
Organising entity: INSTITUTO DE CIENCIAS DE LA **Type of entity:** State agency
VID Y DEL VINO
With external admission assessment committee: No
Royo C; Torres-Perez R; Mauri N; Diestro N; Cabezas JA; Marchal C; Lacombe T; Ibañez J; Tornel M; Carreño J; Martínez-Zapater JM; Carbonell-Bejerano P.
- 20** **Title of the work:** Characterization of deletions causing berry color variation in Garnacha and Tempranillo
Name of the conference: International Congress on Grapevine and Wine Sciences
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Logroño, Spain
Date of event: 07/11/2018
End date: 09/11/2018
Organising entity: INSTITUTO DE CIENCIAS DE LA **Type of entity:** State agency
VID Y DEL VINO
With external admission assessment committee: No
Mauri N; Rodríguez-Lorenzo M; Carbonell-Bejerano P; Royo C; Cibrián F; Suberviola J; Sagüés A; Ibañez J; Martínez-Zapater JM.
- 21** **Title of the work:** Grape color variation involves genetic and micro-environmental changes that alter berry phenolic and aromatic composition
Name of the conference: International Congress on Grapevine and Wine Sciences
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Logroño, Spain
Date of event: 07/11/2018
End date: 09/11/2018
Organising entity: INSTITUTO DE CIENCIAS DE LA **Type of entity:** State agency
VID Y DEL VINO
With external admission assessment committee: No
Rodríguez-Lorenzo M; Carbonell-Bejerano P; Mauri N; Royo C; Hilbert G; Renaud C; Rambla JL; Diretto G; Granell A; Delrot S; Martínez-Zapater JM.



- 22** **Title of the work:** Selection and molecular characterization of Tempranillo somatic variants with ripening features adaptable to climate change
Name of the conference: International Congress on Grapevine and Wine Sciences
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Logroño, Spain
Date of event: 07/11/2018
End date: 09/11/2018
Organising entity: INSTITUTO DE CIENCIAS DE LA **Type of entity:** State agency
VID Y DEL VINO
With external admission assessment committee: No
Carbonell-Bejerano P; Royo C; Mauri N; Torres-Perez R; Arrizabalaga-Arriazu M; Oyarzun M; Baroja E; Morales F; Pascual I; Garcia-Escudero E; Weigel, Detlef; Martínez-Zapater JM.
- 23** **Title of the work:** Somatic embryogenesis for regeneration of improved Tempranillo Blanco lines from Tempranillo Gris variants
Name of the conference: International Congress on Grapevine and Wine Sciences
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Logroño, Spain
Date of event: 07/11/2018
End date: 09/11/2018
Organising entity: INSTITUTO DE CIENCIAS DE LA **Type of entity:** State agency
VID Y DEL VINO
With external admission assessment committee: No
Ferradas Y; Royo C; Rodríguez-Lorenzo M; Carbonell-Bejerano P; Baroja E; Garcia-Escudero E; Rey, Manuel; Martínez-Zapater JM.
- 24** **Title of the work:** Study of candidate gene variants pleiotropically controlling berry shape and other reproductive traits in grapevine
Name of the conference: International Congress on Grapevine and Wine Sciences
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Logroño, Spain
Date of event: 07/11/2018
End date: 09/11/2018
Organising entity: INSTITUTO DE CIENCIAS DE LA **Type of entity:** State agency
VID Y DEL VINO
With external admission assessment committee: No
Carbonell-Bejerano P; Royo C; Pereira L; Sanz-Gonzalez J; Villoslada-Blanco, Pablo; Mauri N; Torres-Perez R; Diestro N; Diaz-Riquelme J; Cabezas JA; Borzecka, Ewa; Tornel M; Carreño, Juan; Yuste, Jesús; Martínez-Zapater JM.
- 25** **Title of the work:** Characterization of deletions causing berry color variation in Garnacha and Tempranillo
Name of the conference: XII International Conference on Grapevine Breeding and Genetics
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Bordeaux, France
Date of event: 15/07/2018
End date: 20/07/2018
Organising entity: ISHS (International Society for Horticultural Science)



With external admission assessment committee: Yes

Royo C; Rodríguez-Lorenzo M; Carbonell-Bejerano P; Mauri N; Cibríain F; Suberviola J; Sagüés A; Ibáñez J; Martínez-Zapater JM.

- 26** **Title of the work:** Genetic variation for grapevine reproductive development
Name of the conference: XII International Conference on Grapevine Breeding and Genetics
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Bordeaux, France
Date of event: 15/07/2018
End date: 20/07/2018
Organising entity: ISHS (International Society for Horticultural Science)
With external admission assessment committee: Yes
Martínez-Zapater JM; Carbonell-Bejerano P; Royo C; Torres-Pérez R; Diestro N; Grimplet J; Mauri N; Ibáñez J.
- 27** **Title of the work:** Grape color variation involves genetic and micro-environmental changes that alter berry phenolic and aromatic composition
Name of the conference: XII International Conference on Grapevine Breeding and Genetics
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Bordeaux, France
Date of event: 15/07/2018
End date: 20/07/2018
Organising entity: ISHS (International Society for Horticultural Science)
With external admission assessment committee: Yes
Carbonell-Bejerano P; Rodríguez-Lorenzo M; Royo C; Mauri N; Hilbert G; Renaud C; Rambla JL; Direccion G; Granell A; Delrot S; Martínez-Zapater JM.
- 28** **Title of the work:** Grape color variation involves genetic and micro-environmental changes that alter berry phenolic and aromatic composition
Name of the conference: MacroWine2018
Type of event: Conference **Geographical area:** Non EU International
Type of participation: Participatory - poster
City of event: Zaragoza, Spain
Date of event: 28/05/2018
End date: 31/05/2018
Organising entity: Universidad de Zaragoza
With external admission assessment committee: No
Rodríguez-Lorenzo M; Carbonell-Bejerano P; Royo C; Mauri N; Hilbert G; Renaud C; Rambla JL; Direccion G; Granell A; Delrot S; Martínez-Zapater JM.
- 29** **Title of the work:** Complex genome rearrangements cause loss of berry color in Tempranillo Blanco somatic variant
Name of the conference: Innovine Final International Symposium
City of event: Toulouse, France
Date of event: 16/11/2016
End date: 17/11/2016
Organising entity: Institut Français de la Vigne et du Vin (IFV)
City organizing entity: France
Royo C; Torres-Pérez R; Grimplet J; Fernandez L; Franco-Zorrilla JM; Lijavetzky D; Baroja E; Martínez J; García-Escudero E; Ibáñez J; Carbonell-Bejerano P; Martínez-Zapater JM.



- 30** **Title of the work:** Environmental-dependent variation of fruit set associated to reproductive dysfunction in the Tempranillo Blanco cultivar
Name of the conference: Innovine Final International Symposium
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Toulouse, France
Date of event: 16/11/2016
End date: 17/11/2016
Organising entity: Institut Français de la Vigne et du Vin (IFV)
City organizing entity: France
With external admission assessment committee: Yes
Carbonell-Bejerano P; Royo C; Baroja E; Martínez J; García-Escudero E; Ibáñez J; Martínez-Zapater JM.
- 31** **Title of the work:** Screening germplasm for adaptation to drought and temperature
Name of the conference: Innovine Final International Symposium
Type of participation: Participatory - invited/keynote talk
Corresponding author: Yes
City of event: Toulouse, France
Date of event: 16/11/2016
End date: 17/11/2016
Organising entity: Institut Français de la Vigne et du Vin (IFV)
City organizing entity: France
With external admission assessment committee: Yes
Carbonell-Bejerano P; Royo C; Baroja E; Martínez J; García-Escudero E; Ibáñez J; Martínez-Zapater JM.
- 32** **Title of the work:** Connection between salicylic acid-dependent defences and stenospermocarpy under the major seedlessness genetic locus in grapevine
Name of the conference: X International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: Yes
City of event: Verona, Italy
Date of event: 13/06/2016
End date: 18/06/2016
Organising entity: ISHS (International Society for Horticultural Science)
With external admission assessment committee: Yes
Carbonell-Bejerano P; Royo C; Diestro N; Torres-Pérez R; Cabezas JA; Tornel M; Carreño J; Martínez-Zapater JM.
- 33** **Title of the work:** Heat shock-like responses along with genetic polymorphisms associate with the pedate leaf phenotype of Chasselas Cioutat somatic variant
Name of the conference: X International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Verona, Italy
Date of event: 13/06/2016
End date: 18/06/2016
Organising entity: ISHS (International Society for Horticultural Science)
With external admission assessment committee: Yes
Lijavetzky D; Carbonell-Bejerano P; Royo C; Torres-Pérez R; Díaz-Riquelme J; Martínez-Zapater JM.



- 34** **Title of the work:** Phenotypic and molecular analysis of fruit shape somatic variants in the grapevine cultivar Prieto Picudo
Name of the conference: X International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Verona, Italy
Date of event: 13/06/2016
End date: 18/06/2016
Organising entity: ISHS (International Society for Horticultural Science)
With external admission assessment committee: Yes
Royo C; Pereira L; Carbonell-Bejerano P; Torres-Pérez R; Yuste J; Martínez-Zapater JM.
- 35** **Title of the work:** Variation in grape aroma profiles and VvDXS haplotypes in fourteen Iberian wine cultivars
Name of the conference: X International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Verona, Italy
Date of event: 13/06/2016
End date: 18/06/2016
Organising entity: ISHS (International Society for Horticultural Science)
With external admission assessment committee: Yes
Royo C; Carbonell-Bejerano P; Freire L; Vilanova M; Martínez-Zapater JM.
- 36** **Title of the work:** Environmental-dependent variation of fruit set associated to reproductive dysfunction in the Tempranillo Blanco cultivar
Name of the conference: X International Symposium on Grapevine Physiology and Biotechnology
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Verona, Italy
Date of event: 13/06/2016
End date: 18/06/2016
Organising entity: ISHS (International Society for Horticultural Science)
Carbonell-Bejerano P; Royo C; Baroja E; Martínez J; García-Escudero E; Martínez-Zapater JM.
- 37** **Title of the work:** Tempranillo somatic variants with ripening features adaptable to climate change conditions
Name of the conference: X International Symposium on Grapevine Physiology and Biotechnology
Type of participation: 'Participatory - poster
Corresponding author: Yes
City of event: Verona, Italy
Date of event: 13/06/2016
End date: 18/06/2016
Organising entity: ISHS (International Society for Horticultural Science)
Carbonell-Bejerano P; Torres-Pérez R; Arrizabalaga-Arriazu M; Oyazun M; Royo C; Baroja E; García-Escudero E; Morales F; Pascual I; Martínez-Zapater JM.
- 38** **Title of the work:** Relación entre cascadas inmunitarias dependientes de ácido salicílico y el principal locus de control genético de la apirenia en la vid
Name of the conference: II Jornadas del Grupo de Viticultura de la SECH
Type of event: Conference



Type of participation: 'Participatory - poster

City of event: Madrid, Spain

Date of event: 2016

Organising entity: Sociedad Española de Ciencias Hortícolas (SECH)

With external admission assessment committee: Yes

Royo C; Carbonell-Bejerano P; Diestro N; Torres-Pérez R; Cabezas JA; Tornel M; Carreño J; Martínez-Zapater JM.

39 Title of the work: Selección y caracterización genética de clones de 'Tempranillo' con ciclo de maduración adaptable al cambio climático

Name of the conference: II Jornadas del Grupo de Viticultura de la SECH

Type of event: Conference

Type of participation: Participatory - oral communication

Corresponding author: Yes

City of event: Madrid, Spain

Date of event: 2016

Organising entity: Sociedad Española de Ciencias Hortícolas (SECH)

Carbonell-Bejerano P; Torres-Pérez R; Arrizabalaga-Arriazu M; Oyarzun M; Royo C; Baroja E; García-Escudero E; Morales F; Pascual I; Martínez-Zapater JM.

40 Title of the work: Tempranillo Blanco muestra una reducción en la viabilidad gamética que aumenta la sensibilidad ambiental del cuajado del fruto

Name of the conference: II Jornadas del Grupo de Viticultura de la SECH

Type of participation: 'Participatory - poster

City of event: Madrid, Spain

Date of event: 2016

Organising entity: Sociedad Española de Ciencias Hortícolas (SECH)

Carbonell-Bejerano P; Royo C; Baroja E; Martínez J; García-Escudero E; Martínez-Zapater JM.

41 Title of the work: ANALYSIS OF THE ORIGIN OF PARTHENO-CARPY IN GRAPEVINE CULTIVAR CORINTO BIANCO

Name of the conference: XI International Conference on Grapevine Breeding and Genetics

Type of event: Conference

Type of participation: 'Participatory - poster

City of event: Beijing, China

Date of event: 2014

Organising entity: ISHS (International Society for Horticultural Science)

Royo C; Carbonell-Bejerano P; Nebish A; Vaquero E; Hernaiz S; Aroutiounian R; Ibañez J; Martínez-Zapater JM.

42 Title of the work: Ambient UV exclusion influences phenolic composition and gene expression in berry skins of Tempranillo grapevines

Name of the conference: COST-Action FA0906 Final Network Meeting

Type of event: Conference

Type of participation: Participatory - oral communication

City of event: Cork, Southern and Eastern, Ireland

Date of event: 2014

Organising entity: COST (European Cooperation in Science and Technology) **Type of entity:** Public Research Body

Soriano G; Del Castillo MA; Monforte L; Diago MP; Carbonell-Bejerano P; Martínez-Abaigar J; Tomás R; Martínez-Zapater JM; Tardáguila J; Núñez-Olivera E.



- 43** **Title of the work:** Base genética y molecular de la variación somática en la vid
Name of the conference: I Jornadas del Grupo de Viticultura y Enología de la SECH
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Logroño, La Rioja, Spain
Date of event: 2014
Organising entity: Sociedad Española de Ciencias Hortícolas (SECH) **Type of entity:** Associations and Groups
Martínez-Zapater JM; Fernández L; Torres-Pérez R; Royo C; Grimplet J; Carbonell-Bejerano P; Lijavetzky D; Baroja E; Martínez J; García-Escudero E; Ibáñez J.
- 44** **Title of the work:** Genetic and molecular bases of berry shape in grapevine
Name of the conference: COST-Action FA1106 Annual Conference
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Chania, Greece
Date of event: 2014
Organising entity: COST (European Cooperation in Science and Technology) **Type of entity:** Public Research Body
Borzecka E; Diestro N; Royo C; Carreño J; Carbonell-Bejerano P; Martínez-Zapater JM.
- 45** **Title of the work:** Genetic and molecular bases of berry shape in grapevine
Name of the conference: XI International Conference on Grapevine Breeding and Genetics
Type of event: Conference
Type of participation: Participatory - poster
City of event: Beijing, China
Date of event: 2014
Organising entity: ISHS (International Society for Horticultural Science)
Diestro N; Borzecka E; Cabezas JA; Royo C; Bravo G; Carreño J; Carbonell-Bejerano P; Martínez-Zapater JM.
- 46** **Title of the work:** Transcript and Metabolite analysis of Vitis Vinifera berries infected with Botrytis cinerea reveals a suppression of developmentally activated defenses
Name of the conference: COST-Action FA1106 Annual Conference
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Chania, Greece
Date of event: 2014
Organising entity: COST (European Cooperation in Science and Technology) **Type of entity:** Public Research Body
Agudelo-Romero P; Erban A; Rego C; Nascimento T; Carbonell-Bejerano P; Sousa L; Martínez-Zapater JM; Kopka J; Fortes AM.
- 47** **Title of the work:** Transcript and metabolite analysis of Vitis vinifera cv. Trincadeira berries infected with Botrytis cinerea reveals an activation of a non sustained plant defense response
Name of the conference: 3rd International Conference on Biodiversity & Sustainable Energy Development
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Valencia, Spain
Date of event: 2014
Organising entity: OMICS group conferences **Type of entity:** Business



Agudelo-Romero P; Erban A; Rego C; Nascimento T; Carbonell-Bejerano P; Sousa L; Martínez-Zapater JM; Kopka J; Fortes AM.

- 48** **Title of the work:** Transcript and metabolite analysis of *Vitis vinifera* cv. Trincadeira berries infected with *Botrytis cinerea* reveals an activation of a non sustained plant defense response
Name of the conference: 3rd International Conference on Biodiversity & Sustainable Energy Development
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Valencia, Spain
Date of event: 2014
Organising entity: Harte Research Institute of Gulf Mexico
Agudelo-Romero P; Erban A; Rego C; Nascimento T; Carbonell-Bejerano P; Sousa L; Martínez-Zapater JM; Kopka J; Fortes AM.
- 49** **Title of the work:** Análisis fenotípico y molecular de la variante de fruto oval en la variedad de vid Prieto Picudo
Name of the conference: I Jornadas del Grupo de Viticultura y Enología de la SECH
Type of participation: 'Participatory - poster
City of event: Logroño, La Rioja, Spain
Date of event: 2014
Organising entity: Sociedad Española de Ciencias Hortícolas (SECH) **Type of entity:** Associations and Groups
Pereira L; Carbonell-Bejerano P; Torres-Pérez R; Royo C; Yuste J; Martínez-Zapater JM.
- 50** **Title of the work:** Análisis genético y molecular de la forma de la uva en la vid
Name of the conference: I Jornadas del Grupo de Viticultura y Enología de la SECH
Type of participation: 'Participatory - poster
City of event: Logroño, La Rioja, Spain
Date of event: 2014
Organising entity: Sociedad Española de Ciencias Hortícolas (SECH) **Type of entity:** Associations and Groups
Borzecka E; Diestro N; Royo C; Carreño J; Carbonell-Bejerano P; Martínez-Zapater JM.
- 51** **Title of the work:** ANALYSIS OF THE ORIGIN OF PARTHENO-CARPY IN GRAPEVINE CULTIVAR CORINTO BIANCO
Name of the conference: COST-Action FA1106 Annual Conference
Type of event: Conference
Type of participation: 'Participatory - poster
City of event: Chania, Greece
Date of event: 2013
Organising entity: COST (European Cooperation in Science and Technology) **Type of entity:** Public Research Body
Royo C; Carbonell-Bejerano P; Nebish A; Hernáiz S; Ibañez J; Aroutiounian R; Martínez-Zapater JM.
- 52** **Title of the work:** Daily oscillatory transcriptional programs in Grapevine ripening berries
Name of the conference: COST-Action FA1106 Annual Conference
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Chania, Greece
Date of event: 2013
Organising entity: COST (European Cooperation in Science and Technology) **Type of entity:** Public Research Body



Carbonell-Bejerano P; Rodríguez V; Royo C; Hernáiz S; Martínez-Zapater JM.

- 53** **Title of the work:** Dissection of the transcriptional regulation of grapevine cell cultures in response to elicitation
Name of the conference: XX Reunión de la Sociedad Española de Fisiología Vegetal and XIII Congreso Luso-Espanhol de Fisiologia Vegetal
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Lisboa, Portugal
Date of event: 2013
Organising entity: SEFV
Geographical area: National
Reasons for participation: Review before acceptance
Type of entity: Associations and Groups
Almagro L; Carbonell-Bejerano P; Belchi-Navarro S; Miras-Moreno B; Martínez-Zapater JM; Bru R; Lijavetzky D; Pedreño MA. 2012.
- 54** **Title of the work:** High temperature acclimation of berry ripening in Muscat Hamburg grapevine cultivar
Name of the conference: IX International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference
Type of participation: Participatory - poster
City of event: La Serena, Chile
Date of event: 2013
Organising entity: ISHS (International Society for Horticultural Science)
Type of entity: Associations and Groups
Carbonell-Bejerano P; Santa María E; Torres-Perez R; Royo C; Lijavetzky D; Bravo G; Aguirreolea J; Sánchez-Díaz M; Antolín MC; Martínez-Zapater JM.
- 55** **Title of the work:** Transcriptional differences among ripening berries of different density in Tempranillo and Albariño Spanish wine cultivars
Name of the conference: IX International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference
Type of participation: Participatory - poster
City of event: La Serena, Chile
Date of event: 2013
Organising entity: ISHS (International Society for Horticultural Science)
Type of entity: Associations and Groups
Carbonell-Bejerano P; Rodríguez V; Hernáiz S; Royo C; Bravo G; Dal Santo S; Pezzotti M; Martínez-Zapater JM.
- 56** **Title of the work:** Transcriptional diversification in the STS gene family revealed by microarray analysis of the elicitation responses to MeJA and cyclodextrin
Name of the conference: IX International Symposium on Grapevine Physiology and Biotechnology
Type of event: Conference
Type of participation: Participatory - poster
City of event: La Serena, Chile
Date of event: 2013
Organising entity: ISHS (International Society for Horticultural Science)
Type of entity: Associations and Groups
Chialva CS; Carbonell-Bejerano P; Almagro L; Pedreno MA; Martínez-Zapater JM; Lijavetzky D.
- 57** **Title of the work:** Understanding the effect of ambient UV radiation on grapevine physiology and phenols accumulation
Name of the conference: IX International Symposium on Grapevine Physiology and Biotechnology



Type of event: Conference

Type of participation: Participatory - oral communication

City of event: La Serena, Chile

Date of event: 2013

Organising entity: ISHS (International Society for Horticultural Science) **Type of entity:** Associations and Groups

Núñez-Olivera E; Diago MP; Carbonell-Bejerano P; Martínez-Abaigar J; Tomás R; Martínez-Zapater JM; Millán B; Tardáguila J.

58 Title of the work: Análisis transcriptómico de la maduración en uvas de 'Tempranillo' y 'Albariño' (Vitis vinifera L.) clasificadas según su densidad

Name of the conference: XIII Congreso Nacional de Ciencias Hortícolas

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Review before acceptance

City of event: Almería,

Date of event: 2012

Carbonell-Bejerano P; Rodriguez V; Hernáiz S; Grimplet J; Royo C; Martínez-Zapater JM. 2012.

59 Title of the work: A fertilization-independent developmental program controls fruit-like processes and senescence in pistils of Arabidopsis thaliana

Name of the conference: 20th International Conference on Plant Growth Substances

Type of event: Conference

Geographical area: Non EU International

Type of participation: 'Participatory - poster

City of event: Tarragona,

Date of event: 2010

Carbonell-Bejerano P; Urbez C; Granell A; Carbonell J; Pérez-Amador MA. 2010.

60 Title of the work: ANÁLISIS TRANSCRIPTÓMICO DEL DESARROLLO Y MADURACIÓN DE LA UVA. RESULTADOS DEL AÑO 2009

Name of the conference: EcoSostenible Wine 2010

Geographical area: Non EU International

City of event: Vilafranca del Penedés, Barcelona,

Date of event: 2010

Carbonell-Bejerano P; Grimplet J; Rodríguez V; Martínez-Zapater JM. 2010.

61 Title of the work: IMPACTO DE LA GENÓMICA DE LA VID EN LA VITICULTURA: RETOS Y POSIBILIDADES

Name of the conference: Congreso Científico BIOTEC 2010

City of event: Pamplona,

Date of event: 2010

Martínez-Zapater JM; Ibañez J; Carbonell P; Fernández L; Grimplet J; Díaz-Riquelme J; Diestro N; Zinelabidine LH; Carmona MJ. 2010.

62 Title of the work: El etileno modula la senescencia del óvulo en Arabidopsis thaliana

Name of the conference: XI Simposium sobre metabolismo y modo de acción de fitohormonas

Type of event: Conference

Geographical area: National

Type of participation: Participatory - oral communication

Reasons for participation: Open access

City of event: Cercedilla,

Date of event: 2008

Carbonell P; Granell A; Carbonell J; Pérez-Amador MA. 2008.



- 63** **Title of the work:** Transcriptomic Analysis of Arabidopsis pistil senescence. Ethylene as a modulator of the process.
Name of the conference: 6° Plant GEM (Plant Genomics European Meeting).
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Tenerife, Spain
Date of event: 2007
Carbonell P; Carbonell J; Granell A; Pérez-Amador MA. 2007.
- 64** **Title of the work:** Transcriptomic Analysis of Arabidopsis pistil senescence: ethylene as a modulator of the process.
Name of the conference: Frontiers in Phytohormone Sciences.
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: University of Lausanne, Switzerland
Date of event: 2007
Carbonell P; Úrbez C; Granell A; Carbonell J; Pérez-Amador MA. 2007.
- 65** **Title of the work:** Virus adaption by manipulation of host's gene expression.
Name of the conference: VII international conference for the Critical Assessment of Microarray Data Analysis (CAMDA 2007 Conference).
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Valencia,
Date of event: 2007
Agudelo-Romero P; Carbonell P; Pérez-Amador MA; Elena SF. 2007.
- 66** **Title of the work:** Lithium tolerance and ethylene insensitivity in the Arabidopsis cat2 mutant.
Name of the conference: VIII Reunión de Biología Molecular de Plantas
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Pamplona,
Date of event: 2006
Bueso E, Alejandro S, Carbonell P, Pérez-Amador MA; Fayos J, Bellés JM, Serrano R.2006.
- 67** **Title of the work:** Transcriptomic analysis of pistil development and senescence in Arabidopsis thaliana
Name of the conference: XV Congress of the Federation of European Societies of Plant Biology (FESPB)
Type of event: Conference **Geographical area:** Non EU International
Type of participation: 'Participatory - poster
City of event: Lyon, Francia,
Date of event: 2006
Carbonell P; Urbez C; Perez-amador MA; Granell A; Carbonell J.2006.
- 68** **Title of the work:** Un análisis transcriptómico del desarrollo y la senescencia del pistilo de Arabidopsis thaliana revela la participación del ácido jasmónico, el ácido salicílico y el etileno.
Name of the conference: X Simposium Metabolismo y Modo de Acción de Fitohormonas
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication **Reasons for participation:** Open access
City of event: Benicassim, Castellón,



Date of event: 2006

Carbonell P; Urbez C; Carbonell J; Granell A; Pérez-Amador MA.2006.

69 Title of the work: Caracterización de la expresión génica durante el desarrollo y senescencia del carpelo de Arabidopsis mediante micromatrices de oligonucleótidos

Name of the conference: VII Reunión de Biología Molecular de Plantas

Type of event: Conference

Geographical area: National

Type of participation: 'Participatory - poster

City of event: Benalmádena, Málaga,

Date of event: 2004

Carbonell P; Carbonell J; Granell A; Pérez-amador MA. 2004.

70 Title of the work: Molecular program underlying senescence/PCD of reproductive structures in plants. Apoptosis and programmed cell death: molecular mechanisms and applications in Biotechnology and Agriculture

Name of the conference: COST Action 844

City of event: Bertinoro, Italia,

Date of event: 2004

Granell A; Carbonell P; Hueso L; Pons C; Orzaez D; Carbonell J; Perez-Amador MA. 2004.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

Committee title: Steering Committee of the International Consortium for Grapevine Research

Start date: 2018

Organization of R&D activities

Title of the activity: Conference Organizer

Type of activity: Poster jury member

Convening entity: International Symposium on Grapevine Physiology and Biotechnology

City convening entity: Verona, Italy

Start date: 2016

Evaluation and revision of R&D projects and articles

1 Name of the activity: PhD thesis examiner

Performed tasks: PhD thesis jury member

Entity where activity was carried out: Centre international d'études supérieures en sciences agronomiques, Montpellier SupAgro

City of entity: Montpellier, Languedoc-Roussillon, France

Start-End date: 17/10/2014 - 17/10/2014

2 Performed tasks: Referee of I+D+i articles

Entity where activity was carried out: GigaSciences

Type of activity: Review of articles in scientific or technological journals



Geographical area: Non EU International
Start date: 2021

3 Performed tasks: guest Editor

Entity where activity was carried out: Frontiers in Plant Sciences
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2021

4 Performed tasks: Referee of I+D+i articles

Entity where activity was carried out: Bioinformatics
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2020

5 Performed tasks: Referee of I+D+i articles

Entity where activity was carried out: Plant Direct
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2020

6 Performed tasks: Referee of I+D+i articles

Entity where activity was carried out: Plant Methods
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2020

7 Name of the activity: PhD thesis examiner and Jury board

Performed tasks: PhD thesis examiner
Entity where activity was carried out: University degli Studi di Verona
City of entity: Verona, Italy
Frequency of the activity: 2
Start date: 2019

8 Performed tasks: Referee of I+D+i articles

Entity where activity was carried out: Biology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2019

9 Performed tasks: Referee of I+D+i articles

Entity where activity was carried out: Journal of Horticultural Science and Biotechnology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2019

10 Performed tasks: Referee of I+D+i articles

Entity where activity was carried out: Plant Biotechnology Journal
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2019



- 11** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Plant Cell Physiology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2019
- 12** **Name of the activity:** External examiner
Performed tasks: PhD thesis examiner
Entity where activity was carried out: University of Stellenbosch
City of entity: Stellenbosch, South African Republic
Start date: 2018
- 13** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Annals of Botany
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2018
- 14** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Australian Journal of Grape and Wine Research
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2018
- 15** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Physiologia Plantarum
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2018
- 16** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Gene
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2017
- 17** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Planta
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2017
- 18** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Scientific Reports
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2017



- 19** **Name of the activity:** Scientific project review of "International joint projects"
Performed tasks: Scientific project proposal referee
Entity where activity was carried out: FWF Austrian Science Fund
City of entity: Austria
Type of activity: Review of international scientific projects
Frequency of the activity: 2
Access system: Designated by the corresponding party without competition
Geographical area: European Union
Start date: 2017
- 20** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Frontiers in Plant Science
Type of activity: Review of articles in scientific or technological journals
Geographical area: European Union
Start date: 2016
- 21** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Journal of the Science of Food and Agriculture
Type of activity: Review of articles in scientific or technological journals
Geographical area: European Union
Start date: 2016
- 22** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: BMC Genomics
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2016
- 23** **Name of the activity:** Scientific project review for "convocatoria PICT2016 del Área Tecnología Agraria y Forestal ()"
Performed tasks: Scientific project proposal referee
Entity where activity was carried out: FONCYT Fondo para la Investigación Científica y Tecnológica
City of entity: Argentina
Type of activity: Review of international scientific projects
Access system: Designated by the corresponding party without competition
Geographical area: Non EU International
Start date: 2016
- 24** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Plant Growth Regulation
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2015
- 25** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Plant Molecular Biology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2015



- 26** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Theoretical and Experimental Plant Physiology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2015
- 27** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: American journal of Plant Sciences
City of entity: United States of America
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2014
- 28** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Journal of Agricultural and Food Chemistry
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2014
- 29** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Molecules
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2014
- 30** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: New Phytologist
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2014
- 31** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Plant Sciences
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2014
- 32** **Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: The Plant Journal
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2014
- 33** **Name of the activity:** Scientific project review
Performed tasks: Scientific project proposal referee
Entity where activity was carried out: The United States - Israel Binational Agricultural research and Development Fund (BARD) **Type of entity:** Public Research Body
City of entity: Israel
Type of activity: Review of international scientific projects
Geographical area: Non EU International



Access system: Designated by the corresponding party without competition

Start date: 2014

- 34 Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: BMC Plant Biology
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2013
- 35 Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Journal of Experimental Botany
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2013
- 36 Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Molecular Biology Reports
Type of activity: Review of articles in scientific or technological journals
Geographical area: Non EU International
Start date: 2013
- 37 Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: Journal of Proteomics
Type of activity: Review of articles in scientific or technological journals
Start date: 2012
- 38 Performed tasks:** Referee of I+D+i articles
Entity where activity was carried out: PLoS ONE
Type of activity: Review of articles in scientific or technological journals
Access system: Designated by the corresponding party without competition
Geographical area: Non EU International
Start date: 2011

Other achievements

Stays in public or private R&D centres

- 1 Entity:** Max-Planck-Society
Type of entity: Public Research Body
Faculty, institute or centre: Max Planck Institute for Developmental Biology
City of entity: Tübingen, Germany
Start-End date: 01/09/2018 - 31/12/2021
Duration: 3 years
Name of programme: EU H2020 MSCA-IF and OECD-CRP
Goals of the stay: Post-doctoral
- 2 Entity:** Universidad Nacional de Cuyo - CONICET
Faculty, institute or centre: Instituto de Biología Agrícola de Mendoza (IBAM)
City of entity: Mendoza, Argentina
Start-End date: 11/2010 - 12/2010
Duration: 28 days

Goals of the stay: Post-doctoral

Provable tasks: Analysis of somatic variants of the 'Merlot' grapevine cultivar

3 Entity: Università degli Studi di Verona

City of entity: Verona, Italy

Start-End date: 03/2010 - 04/2010

Duration: 28 days

Goals of the stay: Post-doctoral

Provable tasks: Grapevine microarray hybridization and analysis

Acquired skills developed: Learning of Nimblegen microarray hibridization and analysis

4 Entity: Warwick-Horticultural Research International

City of entity: Wellesbourne, United Kingdom

Start-End date: 09/2005 - 12/2005

Duration: 91 days

Goals of the stay: Doctorate

Provable tasks: Evaluation of senescence in Arabidopsis mutants and transgenic lines, including microarray hybridization and analysis

Obtained grants and scholarships

1 Name of the grant: Ayuda para estudios científicos de temática riojana

Aims: Investigación

Awarding entity: Gobierno de La Rioja

Conferral date: 01/09/2015

Duration: 1 year

End date: 31/08/2016

Entity where activity was carried out: Instituto de las Ciencias de La Vid y del Vino (ICVV). CSIC-UR-CAR

2 Name of the grant: Beca FPU

Aims: Pre-doctoral

Awarding entity: Ministerio de Educación, Cultura y Deportes

Conferral date: 01/01/2003

Duration: 4 years

End date: 31/12/2006

Entity where activity was carried out: Consejo Superior de Investigaciones Científicas

Faculty, institute or centre: Instituto de Biología Molecular y Celular de Plantas Eduardo Primo Yúfera

3 Name of the grant: HiFi for all SMRT grant "HiFi pan-genome and pan-transcriptome for pistachio adaptation to climate change"

City awarding entity: San Francisco, United States of America

Aims: International team consortium

Awarding entity: Pacific Biosciences (PacBio)

Amount of the grant: 30 €

Conferral date: 04/04/2021

Duration: 1 year

Entity where activity was carried out: Max Planck Society

Faculty, institute or centre: Tübingen Max Planck Institute for Developmental Biology

4 Name of the grant: Marie Slodowska-Curie Actions Individual Fellowship

Aims: Post-doctoral

Awarding entity: European Comission

Amount of the grant: 159.400,8 €

Conferral date: 29/01/2018

Duration: 2 years



Entity where activity was carried out: Max Planck Society

Faculty, institute or centre: Tübingen Max Planck Institute for Developmental Biology

5 Name of the grant: Co-operative research programme (CRP) 2018 OECD Fellowship Award

City awarding entity: Paris, France

Aims: Post-doctoral

Awarding entity: The Organisation for Economic Co-operation and Development (OECD)

Amount of the grant: 12.265 €

Conferral date: 19/12/2017

Duration: 4 months - 13 days

Entity where activity was carried out: Max Planck Society

6 Name of the grant: Ayuda de estancia breve en el extranjero para becarios del programa de formación de profesorado universitario

Aims: Pre-doctoral

Awarding entity: MINISTERIO DE EDUCACION Y CIENCIA

Conferral date: 25/05/2005

Duration: 3 months - 10 days

Entity where activity was carried out: Warwick HRI, United Kingdom

Scientific societies and professional associations

1 Name of the society: Sociedad Española de Ciencias Hortícolas

Affiliation entity: Confederación de Sociedades Científicas de España

Start date: 01/03/2012

2 Name of the society: Sociedad Española de Fisiología Vegetal

Affiliation entity: Confederación de Sociedades Científicas de España

Start date: 01/02/2006