CURRÍCULUM VÍTAE NORMALIZADO

Laura Carmen Terrón Camero

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GOBIERNO DE ESPAÑA
MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

FECYT INNOVACIÓN

Summary of CV

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

I completed a Bachelor's degree in Biology (5 years) and a Master in Agricultural Biology and Aquaculture at the University of Granada (UGR). Along with my studies, I received three competitive grants of initiation to research funded by the UGR, CSIC and Ministry of Education.

The funding received by the Grant for University Teacher Training FPU/2014 allowed me to obtain my PhD in the Fundamental and Systems Biology Program at UGR with international mention. My PhD, which was qualified Cum laude, was supervised by Dr. M. Romero (H:40) and Dr. LM. Sandalio (H:53) at the Experimental Station of Zaidín (EEZ-CSIC) in the research group: ROS and Nitric Oxide Dependent Signaling and Peroxisomal Dynamics in Plants. It is worth noting the relevance during my 3-month stay at the University of Guelph (Canada) under the supervision of Prof. J. Mathur (H:45), which have enabled subsequent collaborations that will lead to further joint publications. During the time I lectured 120 hours in the Biology and Biotechnology Degrees at UGR, I acquired skills related to university teaching.

As a result of the expertise and competences acquired in bioinformatics, I obtained a contract at the Bioinformatics Unit at the Institute of Parasitology and Biomedicine Lopez-Neyra (IPBLN-CSIC) financed by European funds of the Youth Guarantee program with a duration of two years, under the supervision of Dr. E. Andrés (H:25) and Dr. J. Martín (H: 82, Citations >25,000). Our unit collaborates with groups belonging to the IPBLN and other national and international research groups, with numerous projects dealing with topics such as cutting-edge experimental "omics" data coming from exome sequencing, RNA-Seq, miRNA-Seq or single-cell RNASeq (scRNASeq), among others.

I have also complemented my training by taking 26 courses, 18 of them in the field of bioinformatics focused on statistics, R, Python and Machine learning (533 hours), plus the completion of 2 specialization certificates (~1500 hours), emphasising, Bioinformatics Analysis at the University Pablo Olavide. Currently, I have been selected in the Master in Advanced Bioinformatics Analysis, as well as in a specialized bioinformatics course, both of them through a competitive process.

My current scientific contribution involves the publication of 20 articles in high impact journals (~85% in Q1, cited in the last 5 years ~275 times) with the majority of publications in the first decile (D1) and 4 book chapters. At the moment, my H index is 11, with an average of ~20 citations per manuscript in the last 5 years (ResearcherID/Google scholar). Besides, I have been involved in 8 research and development projects of which 5 are still ongoing, where bioinformatics plays a key role. It is important to mention that I had the opportunity to contribute 18 times to national and international conferences. I have collaborated with the Dept. of Botany, Civil Engineering at the UGR and with the Andalusian Interuniversity Institute in Data Science and Computational Intelligence (DaSCI) with Prof. M. Zamorano (H:38) and Dr. Coral del Val (H:28). I have also been actively part of the network of excellence Redox regulation and oxidative and nitrosative stress in plants (BIO2015-68957-REDT, Networks of Excellence: Redox signaling and post-translational regulation in plant development and stress response Research Networks (RED2018-102397-T) and Group of Excellence of the Junta de

Andalucía: Signaling by ROS and RNS in stress situations in Plants (BIO337).I have given talks and workshops on science dissemination for events such as European Researchers' Night, Women and Girls in Science, among others. I was awarded with two grants given by the Parque de las Ciencias and UGR. Later, I have been invited on several occasions to give talks, and awarded for the high quality of my projects on 2 occasions.

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.

Publication statistics:
Total number of scientific publications: 29 (including book chapter)
Number of publications in top 25%: ~85%
Number of first author papers: 8

Quality Indicators of scientific research from Google Scholar:
H index: 13
Total number of citations: 736
Total number of citation in 5 years: 655

Quality Indicators of scientific research from Scopus :
H index: 12
Total number of citations: 587

Laura Carmen Terrón Camero

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Name:	**Laura Carmen**
ORCID:	**0000-0002-9746-8800**
ScopusID:	**56951297200**
ResearcherID:	**AAU-6829-2021**
Google scholar:	**https://scholar.google.es/citations?hl=es&user=KZ6-J2gAAAAJ&v**
Date of birth:	**04/03/1991**
Nationality:	**Spain**
Country of birth:	**Spain**
Aut. region/reg. of birth:	**Andalusia**
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Contact address:	**Calle Alcazaba**
Rest of contact address:	**Nº 5**
Postcode:	**18198**
Contact country:	**Spain**
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Current professional situation

Employing entity: Consejo Superior de Investigaciones Científicas

Type of entity: State agency

Department: Instituto de Parasitología y Biomedicina Lopez Neira (IPBLN)

Professional category: Postdoctora (POSTDOC_21_00394) Ayudas a la Contratación de Personal Investigador Doctor

City employing entity: Granada, Andalusia, Spain

Phone: (+34) 958181621 - 640

Email: lauteca@ipb.csic.es

Start date: 15/03/2022

Type of contract: Temporary employment contract

Dedication regime: Full time

Primary (UNESCO code): 240000 - Life Science

Performed tasks: - Creation and development of RNASeq analysis workflow for the detection of differential expression of mRNAs, lncRNAs and miRNAs. - Creation of statistical analysis workflow for obtaining differentially expressed RNAs, as well as a study of the quality of the sequences obtained, the quality of the replicates to be studied and the incorporation of a functional enrichment analysis, implemented to operate in a parallel computation environment. - Development of a system for the analysis of RNASeq samples for the study of microorganisms present in order to study the microbiota from RNA samples and thus be able to make a statistical study of taxonomic abundance and absence/presence of pathogenic organisms. - Analysis Services in the context of various genomics projects carried out at the IPBLN.

Identify key words: Computational biology

Previous positions and activities

	Employing entity	Professional category	Start date
1	Consejo Superior de Investigaciones Científicas	Intramural contract group M3 (Competitive research contract)	01/01/2022
2	Consejo Superior de Investigaciones Científicas	Garantía Juvenil (PEJ2018-001874-P) Bioinformatics Unit (Competitive research grant)	01/12/2019
3	Consejo Superior de Investigaciones Científicas	Doctoral studies (FPU/2014, Competitive research grant)	16/09/2015
4	Universidad de Granada	Introduction to Advanced Research	01/07/2012
5	Universidad de Granada	Introduction to Advanced Research (Research competitive collaboration grant)	01/11/2013
6	Consejo Superior de Investigaciones Científicas	Introduction to Advanced Research (JAE-Intro; competitive research grant)	01/07/2012

1 **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Professional category: Intramural contract group M3 (Competitive research contract)
Start-End date: 01/01/2022 - 14/03/2022 **Duration:** 3 months - 15 days

2 **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Department: Bioinformatics Units, Instituto de Parasitología y Biomedicina López-Neyra
City employing entity: Granada, Andalusia, Spain
Professional category: Garantía Juvenil (PEJ2018-001874-P) Bioinformatics Unit (Competitive research grant) **Leadership and management (Y/N):** No
Start-End date: 01/12/2019 - 01/12/2021 **Duration:** 2 years
Type of contract: Temporary
Dedication regime: Full time
Area of leadership and/or management activity: General State Administration

3 **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
City employing entity: Granada, Andalusia, Spain
Professional category: Doctoral studies (FPU/2014, Competitive research grant) **Leadership and management (Y/N):** Yes
Phone: (+34) 958181600 - 299
Start-End date: 16/09/2015 - 15/09/2019 **Duration:** 4 years
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Full time
Primary (UNESCO code): 240000 - Life Science
Performed tasks: I completed my doctoral dissertation with international mention entitled: Role of nitric oxide (NO) in plant response to cadmium and Fusarium oxysporum: Possible crosstalk. The following topics were addressed in this thesis: - Bionformatic analysis of articles published in the last ten years showing the production and/or role of NO in plant response to heavy metals, including Cd; in order to know, based on the available background, the possible role of NO in plant response to heavy metals. This analysis showed the protective function against heavy metals and in particular against Cd, of NO applied exogenously to the plant. Furthermore, it was found that after exposure to heavy metals and in particular to Cd, plants produce NO in early response that could act as a signal molecule. However, at later stages the plant seems to have mechanisms to control NO levels, thus avoiding further symptoms of toxicity. -Analysis using both biochemical (altering NO levels by chemical donors and scavengers) and molecular (using mutants with altered levels of available NO) techniques, we have analyzed the role of NO in the response of

Arabidopsis seedlings to Cd stress and its relationship with ROS. Thus, we demonstrated that indeed, prolonged NO production in the plant response to Cd can affect antioxidant systems and induce oxidative stress, suggesting again that NO levels should be strictly regulated in the plant response to Cd stress to avoid further plant damage. - Analysis of NO function in peroxisomal metabolism, distribution and dynamics under control conditions and in response to Cd stress. We have shown that NO is required for the observed changes in peroxisomal dynamics to occur in the plant in response to Cd; that NO affects peroxisome oxidative metabolism and organelle distribution within the cell; as well as organelle-dependent signaling. - Analysis of the function of NO in Arabidopsis-Fusarium oxysporum interaction, which is virtually unknown. We have observed that mutants related to NO metabolism show a differential response to the fungus with respect to WT, in terms of ROS production, phenol and secondary metabolism, iron metabolism and induction of defense genes. In addition, nitrate reductase appears to be critical for proper cell wall assembly through the regulation of CESA4 and MYB46, this barrier being key for plant defense against Fusarium oxysporum. Finally, we have observed that pretreatment with Cd protects plants against Fusarium oxysporum, increasing their survival which could be explained by a priming effect since, as mentioned above, plant response to Cd and fungi, in particular to Fusarium, have genes in common, suggesting a connection between both types of stress.

4 **Employing entity:** Universidad de Granada
Department: Botany, Facultad de Ciencias
City employing entity: Granada, Andalusia, Spain
Professional category: Introduction to Advanced Research
Start-End date: 01/07/2012 - 01/06/2015 **Duration:** 18 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Part time
Primary (UNESCO code): 241700 - Plant Biology (Botany)
Secondary (UNESCO code): 250501 - Biogeography
Tertiary (UNESCO code): 241500 - Molecular biology
Performed tasks: Participation in the project:Genetics of Vandenboschia speciosa (Hymenophyllaceae), an endangered fern in Andalusia, and its integration in the Conservation Biology of the species (20009759) 15/03/2011 - 30/04/2016. Creation of libraries for the search of microsatellites as hypervariable DNA markers, allowing the study of the population genetic structure of this Macaronesian-European species by means of hypervariable DNA markers. They were tested in 47 individuals from a total of two Iberian populations of V. speciosa. The primers amplified di- and hexanucleotide repeats. The number of alleles ranged from two to eight, and the expected heterozygosity ranged from 0.107 to 0.807 among the populations analyzed.

5 **Employing entity:** Universidad de Granada **Type of entity:** University
Department: Botany, Facultad de Ciencas
City employing entity: Granada, Andalusia, Spain
Professional category: Introduction to Advanced Research (Research competitive collaboration grant)
Start-End date: 01/11/2013 - 01/06/2014 **Duration:** 8 months
Type of contract: Grant-assisted student (pre or post-doctoral, others)
Dedication regime: Part time
Primary (UNESCO code): 241700 - Plant Biology (Botany)
Secondary (UNESCO code): 250501 - Biogeography
Tertiary (UNESCO code): 230221 - Molecular biology
Performed tasks: Development of polymorphic microsatellite markers in Arenaria nevadensis and Tragopogon sp. two endangered species in the Iberian Peninsula, for the characterization of different populations.
Identify key words: Molecular biology

6 **Employing entity:** Consejo Superior de Investigaciones Científicas **Type of entity:** State agency

Department: Signaling by Reactive Oxygen and Nitrogen Species under Stress in Plants, Estación Experimental del Zaidín

City employing entity: Granada, Andalusia, Spain

Professional category: Introduction to Advanced Research (JAE-Intro; competitive research grant)

Start-End date: 01/07/2012 - 30/07/2012 **Duration:** 2 months

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

Dedication regime: Full time

Primary (UNESCO code): 230221 - Molecular biology; 240000 - Life Science; 240300 - Biochemistry; 240700 - Cell biology; 310000 - Agricultural Sciences

Performed tasks: Characterization of Heavy Metal Tolerance Genes from Mining Soils (Alquife) Using Arabidopsis thaliana Mutants and Protein Purification Techniques Introduction: In this study, we aimed to investigate the heavy metal tolerance genes found in mining soils (Alquife). To achieve this, we conducted a screening of a collection of T-DNA mutants of Arabidopsis thaliana from the SALK collection, comprising 7000 lines. Subsequently, we conducted a viability study on 1000 of these lines in Hoagland medium containing a metal cocktail that approximates the composition of the target soils. The root size of each line was measured, and genomic DNA was isolated for genotyping. Study 1: Role of Peroxisomal Photorespiration in Cellular Response to Abiotic Stress We examined the H2O2 profile of peroxisomal photorespiration and its role in regulating the cellular response to abiotic stress. Specifically, we focused on five Arabidopsis lines deficient in the five isoforms of glycolate oxidase (GOX), a key enzyme in H2O2-producing photorespiration. Additionally, one line overexpressing GOX2 was included. The H2O2 content, catalase activity, and GOX levels were analyzed under Cd stress conditions in both wild-type plants (WT) and Arabidopsis mutant lines. Furthermore, we isolated RNA from WT and Atgox2 plants, along with the GOX2 overexpressor, grown under control conditions and in the presence of Cd. Samples were collected at two different treatment times for subsequent transcriptomic analysis. Study 2: Protein Purification Techniques via E. coli Overexpression using GATEWAY Technology To purify proteins, we employed advanced techniques involving overexpression in E. coli using GATEWAY technology. The induction of protein expression was achieved with IPTG, followed by purification using FPLC. By combining these experimental approaches, we aimed to gain a deeper understanding of heavy metal tolerance genes in mining soils, their regulation under stress conditions, and the protein purification process to further explore their functional characteristics. This research contributes to the broader understanding of plant responses to heavy metal stress and provides valuable insights into potential biotechnological applications for enhanced metal tolerance in crops.

Education

University education

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

University degree: Higher degree
Name of qualification: Bachelor of Biological Science (5 years)
City degree awarding entity: Granada, Andalusia, Spain
Degree awarding entity: Universidad de Granada **Type of entity:** University
Date of qualification: 28/07/2014
Average mark: Excellent

Doctorates

Doctorate programme: PhD program in Fundamental and Systems Biology
Degree awarding entity: Universidad de Granada **Type of entity:** University
City degree awarding entity: Granada, Andalusia, Spain
Date of degree: 22/07/2020
DEA awarding entity: Estación Experimental del Zaidín
Date DEA was awarded: 22/07/2020
European doctorate: Yes **Date of certificate:** 22/07/2020
Thesis title: Role of nitric oxide (NO) in plant response to cadmium and Fusarium oxysporum: possible crosstalk
Thesis director: Maria del Carmen Romero Puertas
Thesis co-director: Luisa María Sandalio Gonzalez
Obtained qualification: Cum laude
Recognition of quality: Yes

Other postgraduate university studies

1 **Type of education:** Postgraduate
Postgraduate qualification: Master 's Degree in Bioinformatic Analysis
City degree awarding entity: Sevilla, Andalusia, Spain
Degree awarding entity: Universidad Pablo de Olavide **Type of entity:** University
Faculty, institute or centre: Postgraduate Studies
Date of qualification: 16/07/2021
Obtained qualification: 9.5

2 **Type of education:** Masters
Postgraduate qualification: Master's Degree in Advances in Agricultural Biology and Aquaculture
City degree awarding entity: Granada, Andalusia, Spain
Degree awarding entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias/ Estación Experimental del Zaidín

Date of qualification: 29/09/2015
Obtained qualification: 9.07

3 **Type of education:** Postgraduate
Postgraduate qualification: International Diploma in Soil Science, Soil Fertility and Plant Biology (52nd Edition)
City degree awarding entity: Granada, Andalusia, Spain
Degree awarding entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: International Postgraduate School
Date of qualification: 20/07/2015
Obtained qualification: Excellent

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

1 **Training title:** Excel Avanzado
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
End date: 27/10/2103 **Duration in hours:** 40 hours

2 **Training title:** TALLER DE HERRAMIENTAS Y SERVICIOS EN BCB “CSIC4CSIC”
Awarding entity: BIOLOGIA COMPUTACIONAL Y BIOINFORMATICA (BCB)
End date: 07/06/2024 **Duration in hours:** 20 hours

3 **Training title:** Taller Competencial científico en Ingles
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
End date: 17/04/2023 **Duration in hours:** 60 hours

4 **Training title:** Diseño experimental e inferencia con R software
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
End date: 30/05/2022 **Duration in hours:** 60 hours

5 **Training title:** Introduction to Applied Statistics with R
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Training manager: Beatriz Esteban Añover
End date: 02/07/2021 **Duration in hours:** 50 hours

6 **Type of training:** Course
Training title: Mooc Machine learning and Big Data for Bioinformatics
Awarding entity: Universidad de Granada **Type of entity:** University
Aims of the entity: Specialized training
End date: 28/04/2021 **Duration in hours:** 100 hours

7 **Type of training:** Conference
Training title: V Conference on Bioinformatics
City awarding entity: Granada, Andalusia, Spain
Awarding entity: Universidad de Granada **Type of entity:** University

Training manager: Jesús Alcalá Fernandez
End date: 26/02/2021 **Duration in hours:** 10 hours

8 **Type of training:** Course
Training title: Correlation and linear regression analysis with R (Online course)
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Aims of the entity: Specialized training
Training manager: Beatriz Esteban Añover
End date: 06/11/2020 **Duration in hours:** 40 hours

9 **Type of training:** Workshop
Training title: BioNetVisA: biological network reconstruction, data visualization and analysis in biology and medicine
Awarding entity: ECCB2020 Organising Committee **Type of entity:** Associations and Groups
Aims of the entity: Specialized training
Training manager: Emmanuel Barillot
End date: 04/09/2020 **Duration in hours:** 3 hours

10 **Type of training:** Workshop
Training title: Computational Pangenomics: Algorithms & Applications
Awarding entity: ECCB2020 Organising Committee **Type of entity:** Associations and Groups
Aims of the entity: Specialized training
Training manager: Yuri Pirola
End date: 04/09/2020 **Duration in hours:** 3 hours

11 **Type of training:** Workshop
Training title: ELIXIR | Biological Data Analysis Using InterMine
Awarding entity: ECCB2020 Organising Committee **Type of entity:** Associations and Groups
Aims of the entity: Specialized training
Training manager: Rachel Lyne
End date: 03/09/2020 **Duration in hours:** 3 hours

12 **Type of training:** Workshop
Training title: Deep dive into metagenomic data using metagenome-atlas and MMseqs2
Awarding entity: ECCB2020 Organising Committee **Type of entity:** Associations and Groups
Aims of the entity: Specialized training
Training manager: Silas Kieser
End date: 02/09/2020 **Duration in hours:** 3 hours

13 **Type of training:** Workshop
Training title: Annual European Bioinformatics Core Community Workshop 2020
Awarding entity: ECCB2020 Organising Committee **Type of entity:** Associations and Groups
Aims of the entity: Specialized training
Training manager: Dieter Beule
End date: 01/09/2020 **Duration in hours:** 3 hours

14 **Type of training:** Workshop
Training title: CRISPR Informatics for Functional Genomics, Cancer Targeting, and Beyond
Awarding entity: ECCB2020 Organising Committee **Type of entity:** Associations and Groups
Aims of the entity: Specialized training

Training manager: Traver Hart
End date: 01/09/2020 **Duration in hours:** 3 hours

15 **Type of training:** Course
Training title: Workshop organized by the IV Bioinformatics conference: An overview of the workflow with Machine learning for biological applications, Learning R for RNA expression analysis and Introduction to the application of Regression techniques in R
City awarding entity: Granada, Andalusia, Spain
Awarding entity: Universidad de Granada **Type of entity:** University
Aims of the entity: Specialization in Bioinformatics
Training manager: Jesus Alcalá Fernandez
End date: 19/03/2020 **Duration in hours:** 55 hours

16 **Type of training:** Training Sessions
Training title: I Conference for CSIC PhD students
City awarding entity: Madrid, Community of Madrid, Spain
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Training manager: María Victoria Moreno Arribas
End date: 24/06/2019 **Duration in hours:** 10 hours

17 **Type of training:** Practical work
Training title: Laboratory Safety
City awarding entity: Guelph, Canada
Awarding entity: University of Guelph **Type of entity:** University
Aims of the entity: Biosafety training
End date: 30/05/2017 **Duration in hours:** 10 hours

18 **Type of training:** Teaching Conference
Training title: Bioinformatics Teaching Conference
City awarding entity: Granada, Andalusia, Spain
Awarding entity: Universidad de Granada **Type of entity:** University
Training manager: Jesús Alcalá Fernandez
End date: 16/02/2017 **Duration in hours:** 10 hours

19 **Type of training:** Course
Training title: Adobe Illustrator CS5
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Aims of the entity: Specialized training
Training manager: Juan José Blánquez Mayoral
End date: 11/11/2016 **Duration in hours:** 40 hours

20 **Type of training:** Course
Training title: Python application development (online)
City awarding entity: Spain
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Aims of the entity: Specialized training
Training manager: Juan José Blánquez Mayoral
End date: 03/10/2016 **Duration in hours:** 40 hours

21 **Type of training:** Course
Training title: Advanced Python for Engineering and Science
City awarding entity: Granada, Andalusia, Spain
Awarding entity: Universidad de Granada **Type of entity:** University
Aims of the entity: Specialized training
Training manager: José Vicente Perez Peña
End date: 10/06/2016 **Duration in hours:** 18 hours

22 **Type of training:** Course
Training title: Introduction to Python: Basic elements of the language
City awarding entity: Granada, Andalusia, Spain
Awarding entity: Universidad de Granada **Type of entity:** University
Aims of the entity: Specialized training
Training manager: José Vicente Pérez Peña
End date: 10/06/2016 **Duration in hours:** 18 hours

23 **Type of training:** Course
Training title: Programming for Everybody: Started with python and Phyton Data structure
Awarding entity: University of Michigan and Coursera **Type of entity:** University
Aims of the entity: Formacion especializada
Training manager: Charles Russell Severance
End date: 01/05/2016 **Duration in hours:** 56 hours

24 **Type of training:** Course
Training title: Image Analysis for Microscopy
City awarding entity: Barcelona, Catalonia, Spain
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Aims of the entity: Specialized training
Training manager: Juan José Blázquez Mayoral
End date: 17/03/2016 **Duration in hours:** 13 hours

25 **Type of training:** Course
Training title: Web of Science Advanced level
City awarding entity: Granada, Andalusia, Spain
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Aims of the entity: Formación especializada
Training manager: Cristina González Copeiro del Villar
End date: 14/03/2016 **Duration in hours:** 3 hours

26 **Type of training:** Course
Training title: Aquaculture: Research, development and innovation
City awarding entity: Granada, Andalusia, Spain
Awarding entity: CEI.MAR y Universidad de Granada **Type of entity:** University Centres and Structures and Associated Bodies
Aims of the entity: Specialized training
Training manager: Luis Cruz Pizarro
End date: 11/04/2014 **Duration in hours:** 15 hours

27 **Type of training:** Course
Training title: English language immersion course
City awarding entity: Madrid, Community of Madrid, Spain
Awarding entity: Universidad Internacional Menéndez Pelayo **Type of entity:** University
Aims of the entity: Immersion linguistica
Training manager: I. Ahumada Lara
End date: 02/08/2013 **Duration in hours:** 40 hours

28 **Type of training:** Practical work
Training title: Scientific dissemination course
City awarding entity: Granada, Andalusia, Spain
Awarding entity: CONSORCIO PARQUE DE LAS CIENCIAS
Aims of the entity: Training in scientific dissemination
Training manager: Rosa María Perez García
End date: 28/02/2013 **Duration in hours:** 100 hours

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
German	A2	A2	A2	A2	A2
English	B2	B2	B2	B2	B2

Teaching experience

General teaching experience

1 **Type of teaching:** Official teaching
Name of the course: Molecular Plant Physiology
Type of programme: Bachelor's degree **Type of teaching:** Laboratory work
Type of subject: Obligatory
University degree: Biochemistry
Course given: 2º
Start date: 2018 **End date:** 2019
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 27
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias
Department: Fisiología Vegetal
City of entity: Granada, Andalusia, Spain
Subject language: Spanish

2 **Type of teaching:** Official teaching
Name of the course: Applied Plant Physiology
Type of programme: Bachelor's degree **Type of teaching:** Laboratory work
Type of subject: Optional
University degree: Biology

Course given: 4º
Start date: 2018 **End date:** 2019
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 3
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias
Department: Plant Physiology
City of entity: Granada, Andalusia, Spain
Subject language: Spanish

3 **Type of teaching:** Official teaching
Name of the course: Plant Physiology II
Type of programme: Bachelor's degree **Type of teaching:** Laboratory work
Type of subject: Obligatory
University degree: Biology
Course given: 3º
Start date: 2017 **End date:** 2018
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 30
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias
Department: Fisiología Vegetal
City of entity: Granada, Andalusia, Spain
Subject language: Spanish

4 **Type of teaching:** Official teaching
Name of the course: Plant Physiology I
Type of programme: Bachelor's degree **Type of teaching:** Laboratory work
Type of subject: Obligatory
University degree: Biology
Course given: 3º
Start date: 2016 **End date:** 2017
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 30
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias
Department: Fisiologia Vegetal
City of entity: Granada, Andalusia, Spain
Subject language: Spanish

5 **Type of teaching:** Official teaching
Name of the course: Plant Physiology II
Type of programme: Bachelor's degree **Type of teaching:** Laboratory work
Type of subject: Obligatory
University degree: Biology
Course given: 3º
Start date: 2016 **End date:** 2017
Type of hours/ ECTS credits: Hours
Hours/ECTS credits: 30
Entity: Universidad de Granada **Type of entity:** University
Faculty, institute or centre: Facultad de Ciencias

Department: Fisiología Vegetal
City of entity: Granada, Andalusia, Spain
Subject language: Spanish

Participation in conferences with talks focused on teacher training

1 **Name of the event:** Research Workshop of the Degree in Biotechnology (UGR)
Type of event: Workshop
Type of participation: Participatory - invited/keynote talk
City of event: Granada, Andalusia, Spain
Date of presentation: 02/06/2020
Organising entity: Universidad de Granada (PROJECT FIDO 18-527)
City organizing entity: Granada, Andalusia, Spain
Bioinformatics came to help me with my PhD.

2 **Name of the event:** Making woman in science visible
Type of event: Workshop
Type of participation: Participatory - invited/keynote talk
Aims of the event: Training for kindergarten, elementary, middle and high school teachers
City of event: Granada, Andalusia, Spain
Date of presentation: 29/02/2020
Organising entity: Junta de Andalucía
Type of entity: Consejería de educación y Deporte
City organizing entity: Andalusia, Spain

Scientific and technological experience

Research and development groups/teams

1 **Name of the group:** Networks of Excellence: Redox signaling and post-translational regulation in plant development and stress response. Research networks
Aims of the group: Luisa M Sandalio
Standardised code: RED2018-102397-T
Type of collaboration: Co-authorship of publications
Affiliation entity: Estación Experimental del Zaidín
Type of entity: State agency
Start date: 2020
Duration: 2 years

2 **Name of the group:** Netwoeka of Excelence: Redox regulation and oxidative and nitrosative stress in plants.
Aims of the group: Red de Excelencia
Name of principal investigator: Francisco Javier Cejudo Fernandez
Number of members in the group: 9
Standardised code: BIO2015-68957-REDT
Type of collaboration: Co-authorship of projects and their development
City of group: Sevilla, Andalusia, Spain
Affiliation entity: Consejo Superior de Investigaciones Científicas y Universidad de Sevilla
Type of entity: State agency
Number of directed thesis: 12
Narrative explanation: Involvement of the Nadp/Thioredoxin System in Cereal Seed Desiccation Tolerance, Redox Regulation of Photosynthetic Metabolism, Oxidative Stress Response Mechanisms in Plants
Start date: 01/12/2015
Duration: 3 years

3 **Name of the group:** Research Groups: ROS- and Nitric Oxide-Dependent Signaling and Peroxisomal Dynamics in Plants
Aims of the group: Luisa M. Sandalio
Type of collaboration: Co-authorship of publications
Affiliation entity: Estación Experimental del Zaidín **Type of entity:** State agency
Start date: 2014 **Duration:** 5 years

4 **Name of the group:** Group of Excellence of the Junta de Andalucía: Signaling by ROS and RNS in stress situations in plants.
Aims of the group: Luisa M. Sandalio
Standardised code: BIO337 **Type of collaboration:** Co-authorship of publications

Scientific or technological activities

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

1 **Name of the project:** Implementación de tecnologías de transcriptómica espacial de resolución celular con aplicación biosanitaria y desarrollo de métodos coordinados de análisis bioinformáticos estandarizados BIOT22_00018_4
Entity where project took place: Andalucía-Biotec Salud del Plan Complementario Andaluz. **Type of entity:** State agency
City of entity: Granada, Andalusia, Spain
Start-End date: 2024 - 2026

2 **Name of the project:** Application of genomics in the treatment of prostate cancer, a new step towards precision medicine
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** Regional
Degree of contribution: Technician
Entity where project took place: Universidad de Granada **Type of entity:** University
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Alvarez Cubero
Nº of researchers: 1
Type of participation: Team member
Name of the programme: Ministry of Health, Regional Government of Andalusia. Modality Strategic R&D&I Projects
Code according to the funding entity: PE-0448-2019
Start-End date: 01/01/2020 - 31/12/2024 **Duration:** 4 years
Total amount: 195.600 €
Dedication regime: Part time

3 **Name of the project:** Uterine microbiota in endometriosis: potential biomarkers of disease and outcome in infertility treatment - MENDO
Entity where project took place: Universidad de Granada **Type of entity:** University
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Signe Altmäe
Nº of researchers: 1

Funding entity or bodies:
FEDER Andalucía
Type of entity: State agency
City funding entity: Andalusia, Spain

Code according to the funding entity: B-CTS-500-UGR18
Start-End date: 01/01/2020 - 31/12/2021
Duration: 2 years
Total amount: 26.400 €

4 **Name of the project:** Approach using omics techniques of host cell modulation by Leishmania: implication for drug sensitivity.
Entity where project took place: Ministerio de Ciencia e Innovación. Investigación
Type of entity: Ministerio de Ciencia e Innovación
City of entity: Spain
Name principal investigator (PI, Co-PI....): Francisco Gamarro Conde
Nº of researchers: 1
Name of the programme: National Project
Code according to the funding entity: RTI2018-097210-B-100
Start-End date: 01/01/2019 - 31/12/2021
Duration: 3 years
Total amount: 181.500 €
Dedication regime: Part time

5 **Name of the project:** Peroxisome-dependent signaling under stress conditions: peroxisomes and peroxisomal homeostasis (PEXPRINT)
Type of project: Basic research (including archaeological digs, etc)
Geographical area: National
Degree of contribution: Researcher
Entity where project took place: Estación Experimental del Zaidín
Type of entity: State agency
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Luisa María Sandalio Gonzalez; Maria del Carmen Romero Puertas
Nº of researchers: 2
Type of participation: Team member
Name of the programme: Ministry of Science, Innovation and Universities (Spain)
Code according to the funding entity: PGC2018-098372
Start-End date: 01/01/2019 - 31/12/2021
Duration: 3 years
Total amount: 193.600 €
Dedication regime: Part time

6 **Name of the project:** Search for biomarkers and development of a molecular test for uterine receptivity
Type of project: Basic research (including archaeological digs, etc)
Geographical area: National
Degree of contribution: Technician
Entity where project took place: Universidad de Granada
Type of entity: University
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Signe Altmae
Nº of researchers: 1
Type of participation: Team member
Name of the programme: National plan research projects
Code according to the funding entity: SAF2017-87526-R
Start-End date: 01/01/2018 - 31/12/2021
Duration: 4 years

Total amount: 228.206 €
Relevant results: Endometrium harbours functionally alive microorganisms including bacteria, viruses, archaea and fungi whose composition and metabolic functions change along the menstrual cycle.
Dedication regime: Part time

7 **Name of the project:** Role of Reactive Oxygen and Reactive Nitrogen Species (ROS/RNS) in peroxisomal dynamics and signaling in response to stress
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** National
Degree of contribution: Researcher
Entity where project took place: Ministry of Economy and Competitiveness (BIO2015-67657)
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): María Romero Puertas; Luisa Maria Sandalio González
Nº of researchers: 2
Type of participation: Team member
Start-End date: 01/01/2016 - 31/07/2019
Total amount: 212.960 €
Dedication regime: Full time

8 **Name of the project:** Role of NO and ROS signaling molecules in the establishment and regulation of mutualistic and pathogenic interactions in tomato
Geographical area: Regional
Entity where project took place: Estación Experimental del Zaidín y Universidad de Córdoba **Type of entity:** Public Research Body
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Romero Romero Puertas
Nº of researchers: 1
Funding entity or bodies:
Junta de Andalucía (P12-BIO-296) **Type of entity:** Junta de Andalucía
City funding entity: Andalusia, Spain

Type of participation: Team member
Start-End date: 16/05/2014 - 15/11/2018 **Duration:** 4 years - 6 months
Total amount: 152.000 €
Dedication regime: Full time

9 **Name of the project:** Genetics of Vandenboschia speciosa, an endangered fern in Andalusia, and its integration in the conservation biology of the species
Type of project: Basic research (including archaeological digs, etc) **Geographical area:** Regional
Entity where project took place: Universidad de Granada **Type of entity:** University
City of entity: Granada, Andalusia, Spain
Name principal investigator (PI, Co-PI....): Victor Nazario Suarez Santiago
Nº of researchers: 1
Start-End date: 15/03/2011 - 30/04/2016 **Duration:** 5 years
Total amount: 275.000 €
Dedication regime: Part time

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

1 Eliana Molina Moya; Laura Carmen Terrón Camero; M Angeles Pelaez Vico; Luisa María Sandalio; Maria C. Romero Puertas. Nitric Oxide and Globin Glb1 Regulate Fusarium oxysporum Infection of Arabidopsis thaliana. Antioxidants. 12 - 7, 21/06/2023.

Type of production: Scientific paper
Format: Journal
Position of signature: 1
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5
Corresponding author: No
Impact source: SCOPUS
Category: Science Edition - CHEMISTRY, MEDICINAL
Impact index in year of publication: 7.675
Journal in the top 25%: Yes
Position of publication: 8
No. of journals in the cat.: 95
Relevant publication: Yes

2 Ana Guzman Carrasco; Garyfallia Kapravelou; Maria Lopez Jurado; Francisco Bermudez; Eduardo Andrés Leóm; Laura C Terrón Camero; José Prados; Consolación Melguizo; Jesus M Porres; Rosario Martin. A Novel Plant-Based Nutraceutical Combined with Exercise Can Revert Oxidative Status in Plasma and Liver in a Diet-Induced-Obesity Animal Model. antioxidants. 13 - 274, 2024.

Type of production: Scientific paper
Format: Journal

3 Estupiñan Moreno; Hernandez Rodriguez; Li; Ciudad; Andres Leon; Terrón Camero; Prieto Gonzalez; Espigol; Cid; Marquez; Martin; Ballestar; Ortiz Fernandez. Decoding CD4+ T cell transcriptome in giant cell arteritis: Novel pathways and altered cross-talk with monocytes. Journal of Autoimmunity. 46 - 103240, 2024.

Type of production: Scientific paper
Format: Journal

4 Salas Espejo 1; Terrón Camero 2; Ruiz; Molina; Andrés Leon. Exploring the microbiome in human reproductive tract: high-throughput methods for the taxonomic characterization of microorganisms.Human Reproduction. 2024.

Type of production: Scientific paper
Format: Journal

5 Lucia Chica; Blanca Cano; Jose Manuel Cozar; Laura C. Terrón Camero; Sergio Cuenca; Eduardo Andrés Leon; Jose Antonio Lorente; Fernando Vazquez; Luis Javier Martinez; Maria Jesus Alvarez Cubero. Multi-omic study to unmask genes involved in prostate cancer development in amulti-case family. Cancer Communication. 2024.

Type of production: Scientific paper
Format: Journal
Position of signature: 4
Total no. authors: 10
Corresponding author: No

6 Laura Carmen Terrón Camero; Fernando Gordillo Gonzalez; Eduardo Salas Espejo. Comparison of Metagenomics and Metatranscriptomics Tools: A Guide to Making the Right Choice. Genes. 13 - 12, pp. 2280. MDPI, 03/12/2022.

Type of production: Scientific paper
Format: Journal
Position of signature: 1
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 4
Corresponding author: Yes
Impact source: SCOPUS
Category: Science Edition - GENETICS & HEREDITY
Impact index in year of publication: 4.141
Journal in the top 25%: No

Position of publication: 72 **No. of journals in the cat.:** 175

7 Terrón-Camero L.C.; Peláez-Vico M.Á.; Rodríguez-González A.; del Val C.; Sandalio L.M.; Romero-Puertas M.C.. Gene network downstream plant stress response modulated by peroxisomal H<inf>2</inf>O<inf>2</inf>. Frontiers in Plant Science. 13, 2022.
DOI: 10.3389/fpls.2022.930721
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** Science Edition - PLANT SCIENCES
Impact index in year of publication: 6.627 **Journal in the top 25%:** Yes
Position of publication: 20 **No. of journals in the cat.:** 239
Source of citations: SCOPUS **Citations:** 1

8 0000-0002-4854-896X; Peláez-Vico M.Á.; Pazmiño D.M.; Rodríguez-Serrano M.; Terrón-Camero L.; Bautista R.; Gómez-Cadenas A.; Claros M.G.; 0000-0002-7332-1572; 0000-0002-8550-7577. Insights into ROS-dependent signalling underlying transcriptomic plant responses to the herbicide 2,4-D. Plant Cell and Environment. 45, pp. 572 - 590. 2022. ISSN 01407791
DOI: 10.1111/pce.14229
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** CATEGORY PLANT SCIENCES
Impact index in year of publication: 7.947 **Journal in the top 25%:** Yes
Position of publication: 8 **No. of journals in the cat.:** 259
Source of citations: SCOPUS **Citations:** 1

9 Estupinan-Moreno, Elkyn; Ortiz-Fernandez, Lourdes; Li, Tianlu; Hernandez-Rodriguez, Jose; Ciudad, Laura; Andres-Leon, Eduardo; Terron-Camero, Laura Carmen; Prieto-Gonzalez, Sergio; Espigol-Frigole, Georgina; Cid, Maria Cinta; Marquez, Ana; Ballestar, Esteban; Martin, Javier. Methylome and transcriptome profiling of giant cell arteritis monocytes reveals novel pathways involved in disease pathogenesis and molecular response to glucocorticoids. Annals of the rheumatic diseases. 81, 2022. ISSN 0003-4967
DOI: 10.1136/annrheumdis-2022-222156
PMID: 35705375
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** RHEUMATOLOGY
Impact index in year of publication: 28.003 **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 34

10 Manzano J.I.; Perea-Martínez A.; García-Hernández R.; Andrés-León E.; Terrón-Camero L.C.; Poveda J.A.; Gamarro F.. Modulation of Cholesterol Pathways in Human Macrophages Infected by Clinical Isolates of Leishmania infantum. Frontiers in Cellular and Infection Microbiology. 12, 2022.
DOI: 10.3389/fcimb.2022.878711
Type of production: Scientific paper **Format:** Journal
Impact source: SCOPUS **Category:** Immunology
Impact index in year of publication: 6.073 **Journal in the top 25%:** Yes
Position of publication: 67 **No. of journals in the cat.:** 178

11 García-Hernández R.; Perea-Martínez A.; Manzano J.I.; Terrón-Camero L.C.; Andrés-León E.; Gamarro F.. Transcriptome Analysis of Intracellular Amastigotes of Clinical Leishmania infantum Lines from Therapeutic Failure Patients after Infection of Human Macrophages. Microorganisms. 10, 2022.
DOI: 10.3390/microorganisms10071304

Type of production: Scientific paper
Format: Journal
Impact source: SCOPUS
Category: Microbiology
Impact index in year of publication: 4.926
Journal in the top 25%: No
Position of publication: 54
No. of journals in the cat.: 137

12 Africa Martínez Blanco; Marilu Dominguez Pantoja; María Botía Sánchez; Sonia Perez Cabrera; Nerea Bello Iglesias; Paula Carrillo Rodriguez; Natividad Martin Morales; Antonio Lario Simón; María M Pérez Sánchez-Cañete; Laura Montosa Hidalgo; Salvador Guerrero Fernandez; Victoria M Longobardo Polanco; Sandra Redondo Sánchez; Alberto Cornet Gomez; María Torres Saez; Ana Fernández Ibañe; Laura C Terrón Camero; Eduardo Andres Leon; Francisco O'Valle Ravassa; Ramón Merino; Mercedes Zubiaur; Jaime Sancho. CD38 deficiency ameliorates chronic graft versus host disease murine lupus via a B-cell dependent mechanism. Frontiers in Immunology. 713697, Frontiers, 2021.

Type of production: Scientific paper
Format: Journal
Position of signature: 17
Degree of contribution: Author or co-author of review
Total no. authors: 22
Corresponding author: No
Impact source: ISI
Category: IMMUNOLOGY - SCIE
Impact index in year of publication: 7.561
Journal in the top 25%: Yes
Position of publication: 24
No. of journals in the cat.: 162

13 Alberto Sola-Leyva; Eduardo Andrés-León; Nerea M Molina; Laura Carmen Terron-Camero; Julio Plaza-Díaz; María José Sáez-Lara; María Carmen Gonzalvo; Rocío Sánchez; Susana Ruíz; Lu{\'\i}s Martínez; Signe Almäe. Mapping the entire functionally active endometrial microbiota. Human Reproduction. 36 - 4, pp. 1021 - 1031. Oxford University Press, 2021. ISSN 0268-1161

DOI: https://doi.org/10.1093/humrep/deaa372

Type of production: Scientific paper
Format: Journal
Position of signature: 4
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 11
Impact source: ISI
Category: Obstetrics and Gynaecology
Impact index in year of publication: 6.918
Journal in the top 25%: Yes
Position of publication: 6
No. of journals in the cat.: 83

Source of citations: Google Scholar
Citations: 3

14 Daniel J García-Domínguez; Nabil Hajji; Sara Sánchez-Molina; Elisabet Figuerola; Rocío M de Pablos; Ana M Espinosa-Oliva; Eduardo Andrés-León; Laura Carmen Terrón-Camero; Rocío Flores-Campos; Guillem Pascual-Pasto; Maria José Robles; Isidro Machado; Antonio Llombart Bosch; Giovanna Magagnoli; Katia Scotlandi; Angel María Carcaboso; Jaume Mora; Enrique de Alava; Lourdes Hontecillas-Prieto. Selective inhibition of HDAC6 regulates expression of the oncogenic driver EWSR1-FLI1 through the EWSR1 promoter in Ewing sarcoma. Oncogene. Cold Spring Harbor Laboratory, 2021. ISSN 0950-9232

Type of production: Scientific paper
Format: Journal
Position of signature: 8
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 19
Corresponding author: No
Impact source: ISI
Category: Science Edition - GENETICS & HEREDITY
Impact index in year of publication: 9,867
Journal in the top 25%: Yes
Position of publication: 12
No. of journals in the cat.: 175

Source of citations: Google Scholar
Citations: 0

Relevant results: In press.

15 Alejandro Rodríguez-González; Laura C Terrón-Camero; Maria C Romero-Puertas. Funciones del óxido nítrico en la respuesta de la planta a la toxicidad por cadmio. Ecosistemas. 29 - 2, pp. 1935. (Spain): 2020. ISSN 1697-2473
DOI: 10.7818/ECOS.1935
Type of production: Scientific paper
Format: Journal
Position of signature: 2
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 3
Impact source: ISI
Category: Ecology
Impact index in year of publication: 0.2
Journal in the top 25%: No
Position of publication: 153
No. of journals in the cat.: 176
Source of citations: Google Scholar
Citations: 0

16 Laura C Terrón-Camero; Coral Del Val; Luisa M Sandalio; María C Romero-Puertas. Low endogenous NO levels in roots and antioxidant systems are determinants for the resistance of Arabidopsis seedlings grown in Cd. Environmental Pollution. 256, pp. 113411. Elsevier, 2020. ISSN 0269-7491
DOI: https://doi.org/10.1016/j.envpol.2019.113411
Type of production: Scientific paper
Format: Journal
Position of signature: 1
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 4
Impact source: ISI
Category: Science Edition - ENVIRONMENTAL SCIENCES
Impact index in year of publication: 8.071
Journal in the top 25%: Yes
Position of publication: 23
No. of journals in the cat.: 274
Source of citations: Google Scholar
Citations: 10

17 Laura C Terrón-Camero; María Rodríguez-Serrano; Luisa M Sandalio; María C Romero-Puertas. Nitric oxide is essential for cadmium-induced peroxule formation and peroxisome proliferation. Plant, Cell & Environment. 43 - 10, pp. 2492 - 2507. John Wiley & Sons, Ltd. Chichester, UK, 2020. ISSN 1365-3040
Type of production: Scientific paper
Format: Journal
Position of signature: 1
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 4
Impact source: ISI
Category: Science Edition - PLANT SCIENCES
Impact index in year of publication: 7.228
Journal in the top 25%: Yes
Position of publication: 11
No. of journals in the cat.: 235
Source of citations: Google Scholar
Citations: 6

18 M del Carmen García-López; Samira Ben-Menni Schuler; Inmaculada López-Flores; Marta Nieto-Lugilde; Laura Terrón-Camero; Ismael Mazuecos Aguilera; Víctor N Suárez-Santiago. Development of polymorphic microsatellite markers for the Killarney Fern (Vandenboschia speciosa, Hymenophyllaceae). Applications in plant sciences. 3 - 11, pp. 1500067. Wiley Online Library, 2015. ISSN 2168-0450
DOI: https://doi.org/10.3732/apps.1500067
Type of production: Scientific paper
Format: Journal
Position of signature: 5
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 7
Impact source: ISI
Category: Science Edition - PLANT SCIENCES
Impact index in year of publication: 0.911
Journal in the top 25%: No

Position of publication: 149
No. of journals in the cat.: 209
Source of citations: Google Scholar
Citations: 1

19 Sihem Talbi; María C Romero-Puertas; Alexander Hernández; Laura Terrón; Ali Ferchichi; Luisa M Sandalio. Drought tolerance in a Saharian plant Oudneya africana: role of antioxidant defences. Environmental and Experimental Botany. 111, pp. 114 - 126. Elsevier, 2015. ISSN 2168-0450
DOI: https://doi.org/10.1016/j.envexpbot.2014.11.004
Type of production: Scientific paper
Format: Journal
Position of signature: 4
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 6
Impact source: ISI
Category: Science Edition - PLANT SCIENCES
Impact index in year of publication: 3.712
Journal in the top 25%: Yes
Position of publication: 23
No. of journals in the cat.: 209
Source of citations: Google Scholar
Citations: 123

20 A García-Maraver; LC Terron; A Ramos-Ridao; M Zamorano. Effects of mineral contamination on the ash content of olive tree residual biomass. Biosystems engineering. 118, pp. 167 - 173. Elsevier, 2014. ISSN 1537-5110
DOI: https://doi.org/10.1016/j.biosystemseng.2013.12.009
Type of production: Scientific paper
Format: Journal
Position of signature: 2
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 4
Impact source: ISI
Category: Science Edition - AGRICULTURE, MULTIDISCIPLINARY
Impact index in year of publication: 1.619
Journal in the top 25%: Yes
Position of publication: 9
No. of journals in the cat.: 56
Source of citations: Google Scholar
Citations: 14

21 Laura Carmen Terrón Camero; Eduardo Andrés León. NGS Methodologies and Computational Algorithms for the Prediction and Analysis of Plant Circular RNAs. Plant Circular RNAs. pp. 119 - 145. New York(United States of America): Humana, 2021. ISBN 9781071616444
DOI: https://doi.org/10.1007/978-1-0716-1645-1_8
Type of production: Book chapter
Format: Book
Position of signature: 1
Degree of contribution: Author or co-author of chapter in book
Total no. authors: 2
Source of citations: Google Scholar
Citations: 0

22 Eliana Molina-Moya; Laura C Terrón-Camero; Leyre Pescador-Azofra; Luisa M Sandalio; María C Romero-Puertas. Reactive Oxygen Species and Nitric Oxide Production, Regulation and Function During Defense Response. Reactive Oxygen, Nitrogen and Sulfur Species in Plants: Production, Metabolism, Signaling and Defense Mechanisms. pp. 573 - 590. Wiley Online Library, 2019. ISBN 9781119468691
DOI: https://doi.org/10.1002/9781119468677.ch23
Type of production: Book chapter
Format: Book
Position of signature: 2
Degree of contribution: Author or co-author of chapter in book
Total no. authors: 5
Source of citations: Google Scholar
Citations: 4

23 Laura C Terrón-Camero; Eliana Molina-Moya; María Sanz-Fernández; Luisa M Sandalio; María C Romero-Puertas. Detection of reactive oxygen and nitrogen species (ROS/RNS) during hypersensitive cell death. Methods in molecular biology. 1743, pp. 97 - 105. Springer, 2018. ISSN 1064-3745

DOI: 10.1007/978-1-4939-7668-3_9

Type of production: Book chapter
Format: Book
Position of signature: 1
Degree of contribution: Author or co-author of chapter in book

Total no. authors: 5

Source of citations: Google Scholar
Citations: 12

24 A Garcia-Maraver; LC Terron; M Zambrano; AF Ramos-Ridao. Thermal events during the combustion of agricultural and forestry lopping residues. Materials and Processes for Energy: Communicating Current Research and Technological Developments, Formatex. pp. 407 - 411. Materials and processes for energy: communicating current research and technological developments (A. Méndez-Vilas,Ed.), 2013. ISBN 978-84-939843-7-3

Type of production: Book chapter
Format: Book
Position of signature: 2
Degree of contribution: Author or co-author of chapter in book

Total no. authors: 4

Source of citations: Google Scholar
Citations: 3

25 1; Gonzalo Borrego Yaniz; Terrón Camero; Andrés León; Javier Martin. A holistic approach to understanding immune-mediated inflammatory diseases: bioinformatic tools to integrate omics data. Computational and Structural Biotechnology Journal 23. 23, pp. 96 - 105. 2024.

Type of production: Review

26 María Romero Puertas; Laura Carmen Terrón Camero; María Ángeles Peláez Vico; Eliana Molina Moya; Luisa M Sandalio. An update on redox signals in plant responses to biotic and abiotic stress crosstalk: insights from cadmium and fungal pathogen interactions. Journal of Experimental Botany. erab271, 2021. ISSN 0022-0957

Type of production: Review
Format: Journal
Position of signature: 2
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 5

Impact source: ISI
Category: Science Edition - PLANT SCIENCES
Impact index in year of publication: 6.992
Journal in the top 25%: Yes
Position of publication: 13
No. of journals in the cat.: 235

Source of citations: Google Scholar
Citations: 0

27 Ainhoa Martínez-Medina; Leyre Pescador; Laura C Terrón-Camero; María J Pozo; María C Romero-Puertas. Nitric oxide in plant--fungal interactions. Journal of experimental botany. 70 - 17, pp. 4489 - 4503. Oxford University Press UK, 2019. ISSN 0022-0957

DOI: https://doi.org/10.1093/jxb/erz289

Type of production: Review
Format: Journal
Position of signature: 3
Degree of contribution: Author or co-author of article in journal with external admissions assessment committee

Total no. authors: 5

Impact source: ISI
Category: Science Edition - PLANT SCIENCES
Impact index in year of publication: 5.908
Journal in the top 25%: Yes
Position of publication: 13
No. of journals in the cat.: 230

Source of citations: Google Scholar **Citations:** 18

28 María C Romero-Puertas; Laura C Terrón-Camero; M Ángeles Peláez-Vico; Adela Olmedilla; Luisa M Sandalio. Reactive oxygen and nitrogen species as key indicators of plant responses to Cd stress. Environmental and Experimental Botany. 161, pp. 107 - 119. Elsevier, 2019. ISSN 0098-8472
DOI: https://doi.org/10.1016/j.envexpbot.2018.10.012
Type of production: Review **Format:** Journal
Position of signature: 2 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5
Impact source: ISI **Category:** Science Edition - PLANT SCIENCES
Impact index in year of publication: 4.027 **Journal in the top 25%:** Yes
Position of publication: 26 **No. of journals in the cat.:** 234
Source of citations: Google Scholar **Citations:** 43

29 Laura C Terrón-Camero; M Ángeles Peláez-Vico; Coral Del-Val; Luisa M Sandalio; María C Romero-Puertas. Role of nitric oxide in plant responses to heavy metal stress: exogenous application versus endogenous production. Journal of Experimental Botany. 70 - 17, pp. 4477 - 4488. Oxford University Press UK, 2019. ISSN 0022-0957
Type of production: Review **Format:** Journal
Position of signature: 1 **Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
Total no. authors: 5
Impact source: ISI **Category:** Science Edition - PLANT SCIENCES
Impact index in year of publication: 5,908 **Journal in the top 25%:** Yes
Position of publication: 14 **No. of journals in the cat.:** 234
Source of citations: Google Scholar **Citations:** 43

Works submitted to national or international conferences

1 **Title of the work:** Maternal high fat diets based on olive oil protect offspring against nafld features through epigenetic alterations
Name of the conference: Virtual Congress on Clinical Nutrition & Metabolism
Type of event: Conference **Geographical area:** European Union
Type of participation: 'Participatory - poster
City of event: Satigny, Switzerland
Date of event: 09/09/2021
End date: 14/09/2021
Organising entity: European Society for Clinical Nutrition and Metabolism **Type of entity:** Associations and Groups
L López Bermudo; A Luque Sierra; A. Cárdenas; Laura Carmen Terrón Camero; Eduardo Andrés León; AM Rojas; F. Martín. "Maternal high fat diets based on olive oil protect offspring against nafld features through epigenetic alterations".

2 **Title of the work:** Expression pattern and identification of key proteins involved in pex11a regulation in plant response to cadmium
Name of the conference: XV Meeting of Plant Molecular Biology
Type of event: Conference
Type of participation: 'Participatory - poster **Reasons for participation:** Review before acceptance

City of event: Virtual,
Date of event: 26/10/2020
End date: 27/10/2020
Organising entity: IHSM-UMA-CSIC Málaga
City organizing entity: Málaga, Andalusia, Spain
Maria de los Angeles Pelaez Vico; Eliana Molina Moya; Laura Carmen Terrón Camero; Luisa María Sandalio; Maria Romero Puertas. "Expression pattern and identification of key proteins involved in pex11a regulation in plant response to cadmium". En: Expression pattern and identification of key proteins involved in pex11a regulation in plant response to cadmium.

3 **Title of the work:** Phytoglobins role in Arabidopsis-Fusarium oxysporum interaction
Name of the conference: XV Meeting of Plant Molecular Biology
Type of event: Conference
Type of participation: 'Participatory - poster
Reasons for participation: Review before acceptance
City of event: Virtual,
Date of event: 26/10/2020
End date: 27/10/2020
Organising entity: IHSM-UMA-CSIC Málaga
City organizing entity: Málaga, Andalusia, Spain
Eliana Molina Moya; Laura Carmen Terrón Camero; Maria de los Angeles Pelaez Vico; Luisa María Sandalio; Maria Romero Puertas. "Phytoglobins role in Arabidopsis-Fusarium oxysporum interaction". En: Phytoglobins role in Arabidopsis-Fusarium oxysporum interaction.

4 **Title of the work:** Identication of no-dependent signalling in plant response during Cd stress.
Name of the conference: 14th International Conference on Reactive Oxygen and Nitrogen Species in Plants
Type of event: Conference
Geographical area: European Union
Type of participation: 'Participatory - poster
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Munich, Oberbayern, Germany
Date of event: 10/07/2019
End date: 12/07/2019
Organising entity: Plant Oxigen Group (POG)
Type of entity: Associations and Groups
City organizing entity: Munich, Oberbayern, Germany
With external admission assessment committee: Yes
Laura Carmen Terrón Camero; Alejandro Rodríguez González; Coral del Val; Luisa María Sandalio; Maria Romero Puertas. "Identication of no-dependent signalling in plant response during Cd stress.".

5 **Title of the work:** Nitric Oxide shape Arabidopsis-Fusarium oxysporum interaction
Name of the conference: XXIII Biannual Meeting of the Spanish Society of Plant Physiology and the XVI Spanish-Portuguese Congress of Plant Physiology
Type of event: Conference
Geographical area: National
Type of participation: 'Participatory - poster
Reasons for participation: Review before acceptance
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 26/06/2019
End date: 28/06/2019
Organising entity: Spanish Society of Plant Physiology
City organizing entity: Pamplona, Foral Community of Navarre, Spain

Laura C Terrón Camero; Eliana Molina Moya; M. Ángeles Peláez Vico; Luisa M. Sandalio; María Romero Puertas. "Nitric Oxide shape Arabidopsis-Fusarium oxysporum interaction". En: Nitric Oxide shape Arabidopsis-Fusarium oxysporum interaction.

6 **Title of the work:** Role of nitric oxide in peroxisome dynamic under Cd stress
Name of the conference: XXIII Biannual Meeting of the Spanish Society of Plant Physiology and the XVI Spanish-Portuguese Congress of Plant Physiology
Type of event: Conference
Geographical area: European Union
Type of participation: 'Participatory - poster
Reasons for participation: Review before acceptance
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 26/06/2019
End date: 28/06/2019
Organising entity: Society of Plant Physiology
City organizing entity: Pamplona, Foral Community of Navarre, Spain
Laura C Terrón Camero; María Rodríguez Serrano; Luisa M. Sandalio; María Romero Puertas. "Role of nitric oxide in peroxisome dynamic under Cd stress". En: Role of nitric oxide in peroxisome dynamic under Cd stress.

7 **Title of the work:** Role of peroxisomes in plant-pathogen interaction
Name of the conference: Second National Congress/IV Meeting of Researchers in Training: Fostering Interdisciplinarity (JIFFI)
Type of event: Conference
Geographical area: National
Type of participation: Participatory - oral communication
Reasons for participation: Review before acceptance
City of event: Granada, Andalusia, Spain
Date of event: 26/06/2019
End date: 28/06/2019
Organising entity: Universidad de Granada
Type of entity: University
City organizing entity: Granada, Andalusia, Spain
Eliana Molina Moya; Laura Carmen Terrón Camero; María Romero Puertas; Luisa María Sandalio.

8 **Title of the work:** Nitric Oxide shape Arabidopsis-Fusarum oxysporym interaction
Name of the conference: 1st PhD Meeting in Plant Science
Type of event: Conference
Geographical area: European Union
Type of participation: 'Participatory - poster
Reasons for participation: Review before acceptance
City of event: Pamplona, Foral Community of Navarre, Spain
Date of event: 25/06/2019
End date: 25/06/2019
Organising entity: Sociedad Española de Fisiología Vegetal
City organizing entity: Spain

9 **Title of the work:** Identifying key genes dependent on peroxisomal ROS
Name of the conference: 7 th Plant Nitric Oxide International Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
Reasons for participation: Review before acceptance
Corresponding author: No
City of event: Niza, France
Date of event: 24/10/2018
End date: 26/10/2018

Organising entity: Symbiose and Redox State of the Cell - Institut Sophia Agrobiotech, Sophia Antipolis, France **Type of entity:** State agency
City organizing entity: Niza, France
With external admission assessment committee: Yes
Laura Carmen Terrón Camero; Coral del Val; Luisa María Sandalio; María Romero Puertas. "Identifying key genes dependent on peroxisomal ROS". En: Identifying key genes dependent on peroxisomal ROS.

10 **Title of the work:** Unraveling the Role of Nitric Oxide in the Arabidopsis-Fusarium oxysporum interaction
Name of the conference: 7 th Plant Nitric Oxide International Meeting
Type of event: Conference
Type of participation: Participatory - oral communication
Corresponding author: No
City of event: Niza, France
Date of event: 24/10/2018
End date: 26/10/2018
Organising entity: Symbiose and Redox State of the Cell - Institut Sophia Agrobiotech, Sophia Antipolis, France **Type of entity:** State agency
City organizing entity: Niza, France
With external admission assessment committee: Yes
Laura Carmen Terrón Camero; Luisa María Sandalio; María Romero Puertas. "Unraveling the Role of Nitric Oxide in the Arabidopsis-Fusarium oxysporum interaction". En: Unraveling the Role of Nitric Oxide in the Arabidopsis-Fusarium oxysporum interaction.

11 **Title of the work:** Creation of poster for scientific dissemination (oral communication and moderator)
Name of the conference: XIV Reunion de Biología Molecular de Plantas
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - invited/keynote talk
City of event: Salamanca, Castile and León, Spain
Date of event: 04/07/2018
End date: 06/07/2018
Organising entity: CIALE e IRNASA-CSIC **Type of entity:** Public Research Body
City organizing entity: Salamanca, Castile and León, Spain
With external admission assessment committee: Yes
Laura Carmen Terrón Camero. "Creation of poster for scientific dissemination (oral communication and moderator)". En: Unraveling the role of nitric oxide in seedling Growth under cadmium stress (.

12 **Title of the work:** Unraveling the role of nitric oxide in seedling Growth under cadmium stress
Name of the conference: XIV Reunion de Biología Molecular de Plantas
Type of event: Conference **Geographical area:** National
Type of participation: 'Participatory - poster
City of event: Salamanca, Castile and León, Spain
Date of event: 04/07/2018
End date: 06/07/2018
Organising entity: CIALE e IRNASA-CSIC **Type of entity:** Public Research Body
City organizing entity: Salamanca, Castile and León, Spain
With external admission assessment committee: Yes
Laura Carmen Terrón Camero; Coral del Val; Luisa María Sandalio; María Romero Puertas. "Unraveling the role of nitric oxide in seedling Growth under cadmium stress (". En: Unraveling the role of nitric oxide in seedling Growth under cadmium stress (.

13 **Title of the work:** Funcion del NO en la respuesta a estrés en Arabidopsis producida por la infecion por Fusarium
Name of the conference: Young Researchers' Science Symposium
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Granada, Andalusia, Spain
Date of event: 01/12/2017
End date: 01/12/2017
Organising entity: Estación Experimental del Zaidín **Type of entity:** State agency
City organizing entity: Granada, Andalusia, Spain
Laura Carmen Terrón Camero. "Identification of nitric oxide (NO)-dependent signaling network components in response to biotic and abiotic stresses".

14 **Title of the work:** Identification of nitric oxide (NO)-dependent signaling network components in response to biotic and abiotic stresses
Name of the conference: Young Researchers' Science Symposium
Type of event: Conference **Geographical area:** National
Type of participation: Participatory - oral communication
City of event: Granada, Andalusia, Spain
Date of event: 19/12/2016
End date: 19/12/2016
Organising entity: Estación Experimental del Zaidín **Type of entity:** State agency
City organizing entity: Granada, Andalusia, Spain
Laura Carmen Terrón Camero. "Identification of nitric oxide (NO)-dependent signaling network components in response to biotic and abiotic stresses".

15 **Title of the work:** Nitric oxide function in plants growing under cadmium stress
Name of the conference: 6th Plant Nitric Oxide International Meeting
Type of event: Conference
Type of participation: Participatory - oral communication **Reasons for participation:** Review before acceptance
City of event: Granada, Andalusia, Spain
Date of event: 14/09/2016
End date: 16/09/2016
Organising entity: Estación Experimental del Zaidín **Type of entity:** State agency
City organizing entity: Granada, Andalusia, Spain
Laura Carmen Terrón Camero; Luisa María Sandalio; María Romero Puertas. "Nitric oxide function in plants growing under cadmium stress". En: Nitric oxide function in plants growing under cadmium stress.

16 **Name of the conference:** XXXVII Congress of the Spanish Society of Biochemistry and Molecular Biology
Type of participation: Organizational -Others
City of event: Granada, Andalusia, Spain
Date of event: 10/09/2014
End date: 12/09/2014
Organising entity: Sociedad española de bioquímica y biología molecular **Type of entity:** Associations and Groups
City organizing entity: Spain

17 **Title of the work:** Mechanisms involved in the tolerance to drought in a desert plant, Oudneya africana
Name of the conference: Genomic, physiological and breeding approaches for enhancing drought resistance in crops
Type of event: Workshop **Geographical area:** European Union

Type of participation: 'Participatory - poster
Reasons for participation: Review before acceptance
City of event: Baeza, Andalusia, Spain
Date of event: 23/09/2013
End date: 25/09/2013
Organising entity: Universidad Internacional de Andalucía
Type of entity: University
City organizing entity: Baeza, Andalusia, Spain
"Mechanisms involved in the tolerance to drought in a desert plant, Oudneya africana".

18 **Title of the work:** Population genetics of the narrow endemic and critically endangered Arenaria nevandesis
Name of the conference: 21st International Symposium "Biodiversity and evolucionary biology
Type of event: Conference
Geographical area: European Union
Type of participation: 'Participatory - poster
Reasons for participation: Review before acceptance
City of event: Mainz, Germany
Date of event: 16/09/2012
End date: 19/09/2012
Organising entity: German Botanical society
City organizing entity: Mainz, Germany
Victor Suarez Santiago; Inmaculada Lopez Flores; Laura Carmen Terrón Camero. "Population genetics of the narrow endemic and critically endangered Arenaria nevandesis". Population genetics of the narrow endemic and critically endangered Arenaria nevandesis,

Science Outreach activities

1 **Title of the work:** ¿Por qué sí, por qué no?
Name of the event: European Researchers' Night
Type of event: Fairs and exhibitions
City of event: Granada, Andalusia, Spain
Date of event: 30/09/2023
Organising entity: Fundacion Descubre
Type of entity: Foundation
City organizing entity: Granada, Andalusia, Spain
Teresa Cruz Sanchez.

2 **Title of the work:** ¿Por qué sí, por qué no? Cómo se construye la ciencia, como a veces nos intentan vender como ciencia terapias que no lo son.
Name of the event: Solidarios para el Desarrollo
City of event: Granada, Andalusia, Spain
Date of event: 26/06/2023
City organizing entity: ONG Solidarios para el Desarrollo, Andalusia, Spain
Terrón Camero 1. "¿Por qué sí, por qué no? Cómo se construye la ciencia, como a veces nos intentan vender como ciencia terapias que no lo son".

3 **Title of the work:** Corona-Science vs Corona-fake (Virtual Activity)
Name of the event: European Researchers' Night
Type of event: Fairs and exhibitions
City of event: Granada, Andalusia, Spain
Date of event: 26/11/2020
Organising entity: Fundacion Descubre
Type of entity: Foundation
City organizing entity: Granada, Andalusia, Spain

Teresa Cruz Sanchez.

4 **Title of the work:** Micro-meetings
Name of the event: European Researchers' Night
Type of event: Fairs and exhibitions
City of event: Granada, Andalusia, Spain
Date of event: 27/09/2019
Organising entity: Fundacion Descubre **Type of entity:** Foundation
City organizing entity: Granada, Andalusia, Spain
Teresa Cruz Sanchez.

5 **Title of the work:** science close-up: Meetings with women scientists
Name of the event: science close-up: Meetings with women scientists
City of event: Granada, Andalusia, Spain
Date of event: 12/05/2018
Organising entity: CONSORCIO PARQUE DE LAS CIENCIAS
City organizing entity: Granada, Andalusia, Spain
Ernesto Páramo Sureda.

6 **Title of the work:** Peroxisomes, those great unknowns
Name of the event: Shelling science 4
Type of event: Scientific dissemination conferences **Geographical area:** Regional
Reasons for participation: Open access
City of event: Granada, Andalusia, Spain
Date of event: 01/04/2017
Organising entity: Shelling science
City organizing entity: Granada, Andalusia, Spain
With external admission assessment committee: Yes
Maria de los Angeles Pelaez Vico; Laura Carmen Terrón Camero; Adela Olmedilla Arnal; Luisa María Sandalio; Maria Romero Puertas. "Peroxisomes, those great unknowns". En: Peroxisomes, those great unknowns. 01/04/2017.

7 **Title of the work:** Scientific workshops
Name of the event: European Researchers' Night
Type of event: Fairs and exhibitions
City of event: Granada, Andalusia, Spain
Date of event: 30/09/2016
Organising entity: Fundacion Descubre **Type of entity:** Foundation
City organizing entity: Granada, Andalusia, Spain
Teresa Cruz Sanchez.

8 **Title of the work:** Do plants know how to distinguish between friends and enemies?
Name of the event: Shelling science 3
Type of event: Scientific dissemination conferences **Geographical area:** Regional
Reasons for participation: Open access
City of event: Granada, Andalusia, Spain
Date of event: 01/04/2016
Organising entity: Shelling science
City organizing entity: Granada, Andalusia, Spain
With external admission assessment committee: Yes

Leyre Pescador Azofra; Laura Carmen Terrón Camero; Maria José Pozo; Maria Romero Puertas. "Do plants know how to distinguish between friends and enemies?". En: Do plants know how to distinguish between friends and enemies?. 01/04/2016.

9 **Title of the work:** Plants Vs Heavy Metals: For great evils, great remedies!
Name of the event: Shelling science 3
Type of event: Scientific dissemination conferences **Geographical area:** Regional
Reasons for participation: Open access
City of event: Granada, Andalusia, Spain
Date of event: 01/04/2016
Organising entity: Shelling science
City organizing entity: Granada, Andalusia, Spain
With external admission assessment committee: Yes
Laura Carmen Terrón Camero; María Sanz Fernandez; Maria Romero Puertas; Luisa Maria Sandalio. "Plants Vs Heavy Metals: For great evils, great remedies!". En: Plants Vs Heavy Metals: For great evils, great remedies!. 01/04/2016.

10 **Title of the work:** Scientific workshops
Name of the event: European Researchers' Night
Type of event: Fairs and exhibitions
City of event: Granada, Andalusia, Spain
Date of event: 25/09/2015
Organising entity: Fundacion Descubre **Type of entity:** Foundation
City organizing entity: Granada, Andalusia, Spain
Teresa Cruz Sanchez.

11 **Title of the work:** Practices in scientific dissemination
Name of the event: Science Animation Training at the Parque de las Ciencias
City of event: Granada, Andalusia, Spain
Date of event: 01/11/2012
Organising entity: CONSORCIO PARQUE DE LAS CIENCIAS
City organizing entity: Granada, Andalusia, Spain
Dolores Castillo Pérez.

Other achievements

Stays in public or private R&D centres

Entity: University of Guelph **Type of entity:** University
City of entity: Guelph, Canada
Start-End date: 01/06/2017 - 31/07/2017 **Duration:** 3 months
Funding entity: Ministerio de Ciencia e Innovación. Investigación **Type of entity:** NO
City funding entity: Spain
Name of programme: State prgram for the promotion of talent and its employability
Goals of the stay: Doctorate
Provable tasks: Study of peroxisome dynamics in response to Fusarium oxysporum
Acquired skills developed: Confocal microscopy and image processing

Narrative explanation: Changes in peroxisome dynamics; role of the endoplasmic reticulum in the formation of these structures; knowledge how the infection by Fusarium oxysporum occurs in the different mutants.

Obtained grants and scholarships

1 **Name of the grant:** Grant for university teacher training (FPU014/00622)
City awarding entity: Granada, Andalusia, Spain
Aims: Pre-doctoral
Awarding entity: Ministerio de Ciencia e Innovación. Universidades **Type of entity:** Ministerio de Ciencia
Amount of the grant: 61.544 €
Conferral date: 16/09/2015 **Duration:** 4 years
End date: 15/09/2019
Entity where activity was carried out: Estación Experimental del Zaidín
Faculty, institute or centre: Signaling by Reactive Oxygen and Nitrogen Species under Stress in Plants

2 **Name of the grant:** Mobility grants for short stays and temporary relocations
City awarding entity: Spain
Aims: Mobility grants
Awarding entity: Ministerio de Educación y Cultura **Type of entity:** State agency
Amount of the grant: 3.915 €
Duration: 3 months
End date: 03/08/2017

3 **Name of the grant:** Start-up grant
City awarding entity: Granada, Andalusia, Spain
Aims: Introduction to research
Awarding entity: Universidad de Granada **Type of entity:** University
Amount of the grant: 2.000 €
Conferral date: 01/10/2014 **Duration:** 8 months
End date: 01/10/2015
Entity where activity was carried out: Universidad de Granada
Faculty, institute or centre: Facultad de ciencias

4 **Name of the grant:** Collaboration grant
City awarding entity: Spain
Aims: Initiation into research
Awarding entity: Ministerio de Educación y Cultura y Deporte **Type of entity:** State agency
Amount of the grant: 2.000 €
Conferral date: 28/06/2013 **Duration:** 8 months
End date: 28/06/2014
Entity where activity was carried out: Universidad de Granada

5 **Name of the grant:** JAE-INTRO
City awarding entity: Spain
Aims: Introduction to research
Awarding entity: Consejo Superior de Investigaciones Científicas **Type of entity:** State agency
Amount of the grant: 1.500 €

Conferral date: 04/05/2012 **Duration:** 2 months
End date: 30/07/2012

Other types of collaboration with researchers or technologists

Type of relationship: Collaborating student
Start date: 01/10/2010 **Duration:** 5 years

Prizes, mentions and distinctions

1 **Description:** Premio extraordinario Tesis doctoral en el programa de Biología Fundamental y de Sistemas
Awarding entity: Universidad de Granada **Type of entity:** University
City awarding entity: Granada, Andalusia, Spain
Conferral date: 26/06/2023

2 **Description:** First Prize at the session of poster session at Shelling out Science 4
Awarding entity: Talking Science Association **Type of entity:** Foundation
City awarding entity: Granada, Andalusia, Spain
Conferral date: 01/04/2017

3 **Description:** First Prize at the session of poster session at Shelling out Science 3
Awarding entity: Talking Science Association **Type of entity:** Foundation
City awarding entity: Granada, Andalusia, Spain
Conferral date: 15/12/2016