

## CV &amp; Supporting Statement

**Pablo González-Suárez**

## Postdoctoral Researcher in Plant Development

**E-mail** p.gonzalez-suarez@leeds.ac.uk**LinkedIn** linkedin.com/in/pablidopsis**E-mail (alt.)** pablidopsis@gmail.com**Twitter** twitter.com/pablidopsis

I am a highly-motivated biologist with 5+ years of experience in plant sciences. I am a passionate and curiosity-driven researcher with a competitive publication track record in high impact academic journals, an excellent communicator, awarded with numerous honours and recognitions, and a mentor with experience in supervising students from different academic, social and cultural backgrounds.

**Education**

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2019 – 2023

**PhD Plant Sciences***University of Leeds, United Kingdom*

- Thesis titled 'Environmental Regulation of End-of-flowering in Angiosperms'. Supervisor: Tom Bennett, University of Leeds.

2021 – 2023

**MSc Biostatistics & Bioinformatics***Open University of Catalonia & University of Barcelona, Spain*

- Achieved a Cum Laude recognition for the final year thesis.
- Thesis titled 'Mathematical Modeling of Cold Sensing in *Arabidopsis thaliana*'. Supervisor: Rea Antoniou-Kourounioti, University of Glasgow.

2018 – 2019

**MSc Plant Biotechnology***University of Oviedo, Spain*

- Thesis titled 'Strigolactones and Branching in *Pinus pinaster*'.

2014 – 2018

**BSc Environmental Biology***Autonomous University of Barcelona, Spain*

- Achieved 1st-class honours.
- Exchange student in BSc Biotechnology (University of Oviedo, Spain) during 2017-2018 as part of the SICUE Exchange Program.
- Thesis titled 'Arsenic and Plant Defence: A Holistic Vision'.

## Research Experience

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Sep 2023 – present

### Research Technician in Cereal Development

*University of Leeds, United Kingdom*

- I research the temperature regulation of reproductive development in wheat (*Triticum aestivum*) using bioinformatics and molecular biology.
- As part of the job, I work independently in two separate projects as well as provide bioinformatic expertise to the rest of the group.

Feb – May 2023

### MSc Research Trainee

*University of Leeds, United Kingdom*

- Short-term internship in which I carried out the bioinformatic analysis of an RNA-Sequencing dataset performed on wheat (*Triticum aestivum*).
- The main goal of the project was to characterize the effect of artificial heating on wheat reproductive development using systems biology.

May – Jul 2022

### Turing Scheme Trainee

*Centre for Plant Biotechnology and Genomics, Spain*

- Placement fully funded by the competitive Turing scholarship, during which I trained on computational biology and mathematical modeling.

Jun – Sep 2019

### Erasmus+ Summer Student

*University of Leeds, United Kingdom*

- Summer placement, fully funded by a competitive Erasmus+ scholarship, during which I assisted in a project aiming to characterise the evolution of a protein family in the plant kingdom using cloning and molecular biology.

Mar – Jun 2019

### Intern

*Regional Agri-food Research & Development Service, Spain*

- I led a series of field trials in the Forestry Area, which involved monitoring plant growth and collecting and processing samples for hormonal analysis.

Oct – Dec 2016

### BSc Research Trainee

*Autonomous University of Barcelona, Spain*

- I assisted with experimental work for a PhD thesis aiming to study the effect of zinc availability on the diversity of rhizosphere bacteria.

Jun – Sep 2016

### Summer Intern

*Atlantic Botanical Garden, Spain*

- I was part of the Scientific Team of the garden, where my main task was the management of botanical collections, including the germplasm bank.

## Other Professional Activities

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### Meeting Organization

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| 2021 – 2022 | <b>Co-organizer</b><br><i>IX International Symposium for Spanish Researchers in the UK</i><br>Oxford, United Kingdom |
| 2020 – 2021 | <b>Co-organizer and host</b><br><i>'Plantastic' Science Seminars</i><br>Leeds, United Kingdom                        |

### Others

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| 2019 – 2022 | <b>Plant Growth Suite Weekend Staff</b><br><i>University of Leeds, United Kingdom</i> |
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## Honors

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| 2023 | <b>Best Poster Award</b> , Genetics of Future Food Production and the Green Revolution 2.0, Genetics Society   |
| 2023 | <b>Best Talk Award</b> , Faculty of Biological Sciences Postgraduate Researcher Symposium, University of Leeds |
| 2022 | <b>Turing Scholarship</b> , UK Government  |
| 2022 | <b>Junior Conference Grant</b> , Genetics Society  |
| 2022 | <b>Travel Grant</b> , Society of Spanish Researchers in the UK   |
| 2022 | <b>Grant for the Participation in the 'Communicating Your Science Workshop'</b> , Genetics Society             |
| 2022 | <b>Grant for the Participation in the 'Reverse Mentoring Project'</b> , University of Leeds                    |
| 2021 | <b>Best Poster Award</b> , VIII International Symposium from the Society of Spanish Researchers in the UK      |
| 2021 | <b>1st Prize for the Best Poster</b> , Leeds Doctoral College Showcase   |
| 2021 | <b>Professional Development Grant</b> , Society of Spanish Researchers in the UK                               |
| 2019 | <b>Erasmus+ Scholarship</b> , Erasmus+ Programme   |
| 2019 | <b>Travel Grant from the Spanish Society of Plant Physiology</b>   |

## Publications

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- (In preparation) A Gauley, I Lacey, **P González-Suárez**, D Hirs, H Taylor, W Harewood, S Griffiths, S Cheng, L Dixon. (In preparation). 'A *miRNA-regulated temperature signalling pathway is involved in the regulation of early floral apex development in bread wheat*'.
- (In review) **P González-Suárez**, CH Walker, T Lock, T Bennett. (In preparation). '*FT-mediated thermal signalling regulates age-dependent inflorescence development in Arabidopsis thaliana*'.
- 2023 **P González-Suárez**, CH Walker, T Bennett. (2023). '*FLOWERING LOCUS T* mediates photo-thermal timing of inflorescence meristem arrest in *Arabidopsis thaliana*'. Plant Physiology 192(3).
- 2020 K O'Connor<sup>‡</sup>, **P González-Suárez**<sup>‡</sup>, L Dixon. (2020). 'Temperature Control of Plant Development'. Annual Plant Reviews Online 3(4). <sup>‡</sup> Co-first authors.
- 2020 **P González-Suárez**, CH Walker, T Bennett. (2020). 'Bloom and bust: understanding the nature and regulation of the end of flowering'. Current Opinion in Plant Biology 57.
- 2020 A Ware, CH Walker, J Šimura, **P González-Suárez**, K Ljung, A Bishopp, Z Wilson, T Bennett. (2020). 'Auxin export from proximal fruits drives arrest in temporally competent inflorescences'. Nature Plants 6.

## Talks & Conference Presentations

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### Invited Seminars

- 2023 **'Environmental Control of the End-of-Flowering in Angiosperms'**  
Invited talk, École Normale Supérieure de Lyon, France
- 2023 **'Mathematical Modelling of Cold Sensing in *Arabidopsis thaliana*'**  
Invited talk, University of Glasgow, UK
- 2022 **'Photo-thermal Regulation of the End of Flowering '**  
Plantastic Seminars, University of Leeds, UK

### Conference Talks

- 2023 **'Rock-a-bye Baby: *FLOWERING LOCUS T* Coordinates End-of-flowering with Offspring Production in *Arabidopsis thaliana*'**  
Iberian Plant Biology 2023 (Braga, Portugal)
- 2023 **'Environmental Regulation of the End of Flowering'**  
Faculty of Biological Sciences Postgraduate Researcher Symposium (Leeds, UK)
- 2022 **'The clock is Ticking: *FLOWERING LOCUS T* as a General Photo-thermal Timekeeper for Life-history Transitions'**  
32nd International Conference on Arabidopsis Research – ICAR (Belfast, UK)

- 2021 **‘Beauty and the Ceased: The key to Never Ending Flowering’**  
VIII International Symposium from the Society of Spanish Researchers in the UK (Online)
- 2018 **‘The study of branching in maritime pine (*Pinus pinaster*)’**  
34th Meeting for Young Researchers (Salamanca, Spain)

## Conference Poster Presentations

- 2023 **‘Hot and Cold: Mathematical Modeling of Temperature Sensing in Arabidopsis and Wheat’**  
Genetics of Future Food Production and the Green Revolution 2.0 (Newcastle, UK)
- 2022 **‘The clock is ticking: *FLOWERING LOCUS T* as a general photo-thermal timekeeper for life-history transitions’**  
Workshop on Molecular Mechanisms Controlling Flowering (Alicante, Spain)
- 2021 **‘Bloom and bust: Why do plants decide when to stop flowering’**  
Faculty of Biological Sciences Postgraduate symposium (Online)
- 2021 **‘Time to Stop: Photo-thermal Regulation of the End of Flowering’**  
31st International Conference on Arabidopsis Research – ICAR (Online)
- 2021 **‘Environmental Regulation of Floret Development in Wheat’**  
Monogram 2021 (Online)
- 2021 **‘Why do plants stop flowering?’**  
University of Leeds PGR Showcase Competition (Online)
- 2020 **‘Slow it down! Photothermal control of floral arrest in Arabidopsis’**  
XV Meeting of Plant Molecular Biology – RBMP (Online)
- 2020 **‘Time to stop? Photothermal regulation of end-of-flowering in Arabidopsis’**  
Sainsbury Laboratory Symposium – SLS20 (Online)
- 2019 **‘Unravelling the mechanisms that control branching in *Pinus pinaster*: The role of strigolactones’**  
XXIII Meeting of the Spanish Society of Plant Physiology – FV2019 (Pamplona, Spain)

## Supervising, Mentoring & Teaching Experience

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### Supervised Theses

- 2023 **‘Genome-Wide Analysis, Phenotypic Characterization, and Gene Expression Profiling of DREB Transcription Factors in Cold Response of *S. polyrhiza*’**  
MSc Thesis, Lateefat Anike Arogundade (Co-supervised with Tom Bennett)
- 2022 **‘Understanding the Genetic Basis for Timing of Inflorescence Arrest in *Arabidopsis thaliana*’**  
BSc Dissertation, Faye Chesworth (Co-supervised with Tom Bennett)

- 2022 **‘Investigation into the Role of *FLOWERING LOCUS T* in Temperature-signal Integration During Reproductive Development in *A. thaliana*’**  
MSc Thesis, Thomas Lock (Co-supervised with Tom Bennett)
- 2022 **‘Why Plants Stop Flowering: Identifying the Downstream Targets of *FLOWERING LOCUS T* that Help Regulate Inflorescence Arrest in *A. thaliana*’**  
Mbiol Thesis, Arran Horne (Co-supervised with Tom Bennett)

## Current and Past Mentees

- 2023 **Lateefat Anike Arogundade** (MSc Erasmus student)
- 2022 **Faye Chesworth** (BSc Biology)
- 2022 **Thomas Lock** (MSc Plant Science and Biotechnology)
- 2022 **Arran Horne** (BSc Biology Mbiol)
- 2021 **Megan Pierce** (BSc Biology)
- 2019 **Nuria Álvarez Alija** (BSc Biotechnology)
- 2017 **Verónica Fernández González** (BSc Teaching)
- 2017 **María del Blanco Blanco** (BSc Tourism)
- 2017 **Mario Sabou Pompescu** (BSc History)

## Other Mentoring & Teaching Experience

- 2022 **Student Mentor in the Reverse Mentoring Project**  
*University of Leeds, United Kingdom*
- I took part in this innovative programme that aimed to help senior staff members of the university better understand the specific needs of underrepresented students.
- 2019 – 2022 **Demonstrator**  
*University of Leeds, United Kingdom*
- I demonstrated in laboratory practicals from a variety of modules including BLGY2163 (‘How Plants Work’) and BLGY1234 (‘Practical Genetics’).

## Other Certifications & Courses

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- 2022 Communicating Your Science Workshop, Genetics Society
- 2022 Data Scientist with R, Datacamp
- 2020 Mathematics of Life: Modelling Molecular Mechanisms, EMBL-EBI
- 2020 Foundations in Teaching, University of Leeds
- 2020 Finding Open Content for your Research, University of Leeds
- 2019 Advanced Statistics in R, University of Leeds

## Memberships

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|-------------|--|
| 2020 – 2023 | Genetics Society                                     |
| 2020 – 2023 | Society of Spanish Researchers in the United Kingdom |
| 2019 – 2022 | Spanish Society of Plant Physiology (SEFV)           |