

Geraint John Parry

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Current Position from October 2020: Director, Arabidopsis Events UK.

Event management, project leadership and content generation
with a focus on excellence in plant science

<https://www.arabidopsisevents.uk/>

Contracted Projects:

- Bacterial Plant Diseases Coordination Team: Event management and Community Integration <https://www.bacterialplantdiseases.uk/>
- Cardiff University. Scientific Facilitator GW4 Community Integration project <https://gw4.ac.uk/plasticity-and-robustness-cellular-understanding-of-plant-growth-and-defence/>
- INDEPTH Cost Action: Science Communication Manager and development of INDEPTH Academy training resource <https://www.brookes.ac.uk/indepth/indepth-academy/>
- Multinational Arabidopsis Steering Committee: Secretary and Editor of Annual Report <http://arabidopsisresearch.org/>
- International Conference on Arabidopsis Research 2022 (ICAR2022), Belfast, UK: Lead organiser. <http://icar2022.arabidopsisresearch.org/>
- Auxin Workshop 2021, Cavtat Croatia: Contracted organiser <https://auxin2020.weebly.com/>
- EMBO Virtual Workshop on International Plant Systems Biology: Contracted organiser.
- Organiser and host of #UKPlantsciPresents webinar series <http://blog.garnetcommunity.org.uk/ukplantscipresents-webinars/>

Voluntary Projects:

- Chair of Royal Society of Biology Plant Sciences Group (previously UK Plant Science Federation): Chairing four meetings/year, liaise with RSB staff on plant science outputs including on policy decisions and events
- PlantEd Cost Action on Plant Genome Editing: Vice-Science Communication manager <https://plantgenomeediting.eu/>
- GARNet Community Legacy: Management of social media account and website to promote UK plant science community.

Work Experience and Education

May 2015- September 2020: National Coordinator for the GARNet Community, Cardiff University. GARNet was a UKRI-BBSRC-funded network that supported plant science in the UK. This role included organisation of technology-facing workshops, participation in community-facing grants, arranging outreach events, responding to calls for evidence as well as acting as a *de facto* voice for UK academic plant scientists. I wrote and edited content across GARNet media platforms including website, blog and the @GARNetweets twitter account. <http://blog.garnetcommunity.org.uk/>

March 2016- October 2018: Principal Investigator for Cardiff_Wales iGEM synthetic biology team. This involved obtaining funding, planning, leading and teaching the scientific program for a group of undergraduate students. http://2018.igem.org/Team:Cardiff_Wales

March 2011- September 2014: Lecturer at the University of Liverpool, UK. This included a full teaching role and setting up a lab-based research group that focused on the mechanisms of plant nuclear transport.

Nov 2009- Feb 2011: Post-doctoral research in the laboratory of Dr Scott Michaels: Indiana University, Bloomington. Research focused on the relationship between histone modification and DNA replication in plants.

Jan 2002- Oct 2009: Post-doctoral research in the laboratory of Professor Mark Estelle: Indiana University, Bloomington. Research focused on the role of the Arabidopsis nuclear pore during the auxin response and on the factors that control the expression of auxin receptor proteins.

Oct.1997- Dec 2001: PhD from the University of Nottingham, UK entitled 'Investigating the Mechanism of Auxin Transport in *Arabidopsis thaliana*'. Supervised by Professor Malcolm Bennett and Dr Richard Napier (HRI Wellesbourne)
Oct.1996- Sept.1997. MRes in Analytical Biology from the University of Warwick
Oct.1993- July 1996. BSc (Hons.) class 2.1 in Biological Science with Virology from the University of Warwick

Peer-reviewed publications (past ten years)

- > Provart N, Brady S, **Parry G** *et al* (2020) Anno Genominis XX: 20 Years of Arabidopsis Genomic. *The Plant Cell* *in press*.
 - > **Parry G**, Benitez-Alfonso Y *et al* (2020) How to build an effective research network: lessons from two decades of the GARNet plant science community. *J Exp Bot.* doi: 10.1093/jxb/eraa397
 - > **Parry G**, Pradillo M *et al* (2020) Untangling chromatin interactions. *J Exp Bot.* doi: 10.1093/jxb/eraa334
 - > **Parry G**, Provart NJ *et al* (2020) Multinational Arabidopsis Steering Committee. Current status of the multinational Arabidopsis community. *Plant Direct.* doi: 10.1002/pld3.248
 - > **Parry G**, Harrison J (2018) Viewpoint: Report from GARNet Gene Editing Workshop. *New Phytologist.* doi: 10.1111/nph.15573.
 - > **Parry G**, Probst A* *et al* (2018) Meeting report - INDEPTH kick-off meeting. *Journal of Cell Science* doi: 10.1242/jcs.220558
 - > **Parry G**, Jose S (2017) Meeting report: Separate product from process: framing the debate that surrounds the potential uptake of new breeding technologies. *Physiol Plant.* DOI: 10.1111/ppl.12680
 - > Leonelli S, Davey R, Arnaud E, **Parry G**, Bastow R (2017) Data management and best practice for plant science. *Nature Plants* 3 17086 DOI: 10.1038/nplants.2017.86
 - > **Parry G**, Patron N *et al* (2016) Meeting report: GARNet/OpenPlant CRISPR-Cas Workshop. *Plant Methods.* 12:6 DOI 10.1186/s13007-016-0104-z
 - > **Parry G** (2015) The Plant Nuclear Envelope and Regulation of Gene Expression. *Journal of Experimental Botany. Epub* 10.1093/jxb/erv023
 - > Kemp C, Coleman A, Wells G, **Parry G** (2015) Overexpressing components of the Nuclear Transport apparatus causes severe growth symptoms in tobacco leaves. *Plant Signaling and Behaviour* 10(5):e1000103. doi: 10.1080/15592324.2014.1000103
 - > **Parry G** (2014) Components of the Nuclear Pore Complex Play Multiple Diverse Roles in Control of Plant Growth. *Journal of Experimental Botany*, **65**, 6057-6067.
 - > Graumann K, Bass H, **Parry G** (2013) SUNrises on the International Plant Nucleus Consortium. *Nucleus* **4**, 1-5
 - > **Parry G** (2013) Assessing the Function of the Plant Nuclear Pore Complex and the Search for Specificity. *Journal of Experimental Botany* **64** (4), 833-845
 - > Calderón Villalobos L, Lee S, De Oliveira C, Ivetac A, Brandt W, Armitage L, Sheard L, Tan X, **Parry G** *et al* (2012) A Combinatorial TIR1/AFB-Aux/IAA Co-receptor System for Differential Sensing of Auxin. *Nature Chemical Biology* **8**(5):477-85
 - > Band L, Wells D, Larrieu A, Sun J, Middleton A, French A, Brunoud G, Sato M, Wilson M, Peret B, Oliva M, Swarup R, Sairanen I, **Parry G** *et al* (2012) Root gravitropism is regulated by a transient lateral auxin gradient controlled by a novel tipping point mechanism. *PNAS* **109** 4668-73
 - > Vernoux T, Brunoud G, Farcot E, Morin V, Van den Daele H, Legrand J, Oliva M, Das P, Larrieu A, Wells D, Guédon Y, Armitage L, Picard F, Guyomarc'h S, Cellier C, **Parry G** *et al* (2011) The auxin signalling network translates dynamic input into robust patterning at the shoot apex. *Mol Syst Biol.* **7**:508
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Teaching Experience

November 2018-2020: Guest lecturer in 'The Future of Plant Genetic Technologies'; *New York University London*.
September 2015- March 2017: Final academic year project supervisor, *Cardiff University*

March 2011- Sept 2014: Lecturer in Genetics and Plant Science, *University of Liverpool*.

October 2012-2014: Participation in an innovative international lab class for seniors, *University of Texas, Austin*

Grant and Journal Reviews

2020: *Lead guest editor:* Journal of Experimental Biology special issue on 'Impact of Chromatin Domains on Plant Phenotypes' (<https://academic.oup.com/jxb/issue/71/17>). *Journals:* Current Opinion in Plant Sciences, International Journal of Molecular Sciences

2019: *Journals:* Journal of Experimental Botany, Plant Cell Physiology, Plant Physiology, Scientific Reports, Genes, Agronomy

2018: *Journals:* Journal of Experimental Botany, New Phytologist, Cells, Plant Cell Physiology

2017: *Journals:* The Plant Journal, Canadian Journal of Plant Biology, JOVE, PLoS One, New Phytologist, Science Advances, Biochemical Journal

2016: *Journals:* Nature, Journal of Experimental Botany, Nucleus, Plant Methods

2015: *Grants:* DFG (Germany) *Journals:* Journal of Experimental Botany, *Nucleus*, PLOS Genetics.

2014: *Grants:* BBSRC Responsive mode, Ohio Plant Biotechnology Consortium. *Journals:* Frontiers, Journal of Experimental Botany, Plant Journal, Plant Physiology, Plant Signaling and Behaviour, PLOS One, PNAS

2013: *Journals:* Journal of Experimental Botany, Journal of Plant Growth Regulation, New Phytologist, Planta, Plant Biology, Plant Journal, PLOS One

2012: *Journals:* New Phytologist, Plant Journal

References

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