

## Geraint John Parry

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### Executive Officer, Association of Applied Biologists

Leading a team to facilitate conference organisation and network integration activities of this UK-based but internationally-focused society.

<https://www.aab.org.uk/>

### 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 for Arabidopsis Events UK

- July 2020- present: **Member of Bacterial Plant Diseases Coordination Team:** <https://www.bacterialplantdiseases.uk/>
- October 2020- June 2021: **Cardiff University. Scientific Facilitator GW4 Community.**
  - <https://gw4.ac.uk/plasticity-and-robustness-cellular-understanding-of-plant-growth-and-defence/>
- October 2020- July 2021: **INDEPTH Cost Action: Science Communication Manager and development of INDEPTH Academy** <https://www.brookes.ac.uk/indepth/indepth-academy/>
- July 2020 -present: **Multinational Arabidopsis Steering Committee: Secretary and Editor of Annual Report** <http://arabidopsisresearch.org/>
- Present- June 2022: **Lead organiser, International Conference on Arabidopsis Research 2022 (ICAR2022), Belfast, UK:** <http://icar2022.arabidopsisresearch.org/>
- Present- October 2021: **Contracted organiser, Auxin Workshop,** <https://auxin2020.weebly.com/>
- Present- May 2021: **Contracted organiser, EMBO Virtual Workshop on International Plant Systems Biology:**

### Voluntary Projects:

- Chair of Royal Science of Biology Plant Sciences Group (previously UK Plant Science Federation): <https://www.rsb.org.uk/policy/groups-and-committees/ukpsf>
  - 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.
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### Work Experience and Education

**April 2021: Qualified at the Practitioner level of the PRINCE2 project management system.**

**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](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

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### 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*

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## **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

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## **References**

### **Professor Jim Murray**

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### **Professor Malcolm Bennett**

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