

## **Dr Geraint John Parry**

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### **Executive Officer, Association of Applied Biologists**

Leadership of a learned society that engages with community of applied biologists who have a focus on improving agricultural productivity.

Activities involve management of AAB team, budgeting of society activities, organisation of annual events with ~2000 attendees, management of AAB-owned publications and engaging with the wider community through interactions with Royal Society of Biology (Chair of Plant Science Group, member of Plant Health Committee), as WG leader of two EU COST-Actions, Secretary of Multinational Arabidopsis Steering Committee, member of the SEB and BSPP.

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

### **Director, Arabidopsis Events UK**

Event organisation and project management with a focus on excellence in plant science.

In 2022 managed £300K in revenue as part of conference organisation.

Current activity includes management of MEMBRA UKRI-funded Treescapes project.

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

### **President, Global Plant Council**

Strategic planning for the GPC, which represents a coalition of organisation with ~30K members.

Focus on engagement with UN Climate Change Policy, provision of equitable access to digital sequence information and promoting uptake of new breeding technologies

<https://globalplantcouncil.org/>

## **Work Experience and Education**

October 2022- Present: **President, Global Plant Council**

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

March 2021- Present: **Executive Officer, Association of Applied Biologists**

October 2020- Present: **Director, Arabidopsis Events UK Limited company**

May 2015- Sept 2020: **National Coordinator for the GARNet Network, 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.

[www.garnetcommunity.org.uk](http://www.garnetcommunity.org.uk)

Mar 2016- Oct 2018: **Principal Investigator for Cardiff\_Wales iGEM synthetic biology team.**

Secured funding, planning, leading and teaching the scientific program for a team of undergraduate students.

[http://2018.igem.org/Team:Cardiff\\_Wales](http://2018.igem.org/Team:Cardiff_Wales)

Mar 2011- Sept 2014: **Lecturer at the University of Liverpool, UK.**

Full teaching role and leadership of 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)

- > Walters K, Parry G, *et al* (2023) **Constraints and solutions for development and uptake of integrated pest management in the UK.** Annals of Applied Biology, *In review*
- > Parry G (2023) **Localizing Total mRNA in Plant Cells.** Methods Mol Biol. 2022;2502:105-111. doi: 10.1007/978-1-0716-2337-4\_7. PMID: 35412234.
- > Tatout C, Mougéot G, Parry G, *et al* (2022) **The INDEPTH (Impact of Nuclear Domains on Gene Expression and Plant Traits) Academy: a community resource for plant science.** J Exp Bot. 2022 Apr 5;73(7):1926-1933. doi: 10.1093/jxb/erac005. PMID: 35090020; PMCID: PMC8982392.
- > Provart N, Brady S, Parry G *et al* (2020) **Anno Genominis XX: 20 Years of Arabidopsis Genomics.** 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.

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## Professional Memberships and Community Activities

- Member of Royal Society of Biology (MRSB)
    - 2019- Present: Chairman of RSB Plant Science Group
    - 2020- Present: Member of Plant Health Advisory Group
  - Member of Society of Experimental Biology
    - 2014- 2023: Member of Plant Science advisory group
  - Member of British Society of Plant Pathology
  - Secretary of the Multinational Arabidopsis Steering Committee. This position including editing of the MASC Annual Report:  
<https://arabidopsisresearch.org/index.php/en/>
  - Coordination of UK submission for Fascination of Plants Day (May 2019)  
<https://epsoweb.org/events/fopd-events/>
  - Guest editor for Special Issue of JExBot, Grant (BBSRC, DFG) and Journal Reviews (40+ articles over 10 years)
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## Teaching and Science Communication

- 2018-2020: Guest lecturer in 'The Future of Plant Genetic Technologies'; *New York University London*
  - 2015- 2017: Final academic year project supervisor, *Cardiff University*
  - 2012- 2019: Contributor to *Wales Gene Park* school and college presentations
  - 2012- 2015: Lead organiser of Fascination of Plants Day events at *Ness Botanic Gardens, Liverpool World Museum and Natural History Museum, London*
  - 2011- 2014: Lecturer in Genetics and Plant Science, *University of Liverpool*
  - 2012-2014: Design of in an international lab class for seniors at *University of Texas, Austin*
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## Referees

### **Professor Mike Gooding**

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AAB Office,  
Warwick Enterprise Park  
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### **Professor Christine Foyer**

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