

Jessica FINCH

• j.finch@warwick.ac.uk •

EDUCATION

- 2015-2019 **University of Warwick, MIBTP PhD (BBSRC-funded Doctoral Training Program)**
Focus: Food Security – Plant and Crop Science
Working project title: *Investigating the molecular and cellular basis for immunity-induced growth inhibition in Arabidopsis thaliana and crop plants.*
Training year courses inc. Statistics (passed with 94%), Programming (passed with 88%), SysMIC (passed with grade 'Excellent') and 12 days of masterclasses in a variety of lab skills.
- 2013-2014 **Homerton College, University of Cambridge, PGCE in Secondary Science with Biology**
- 2010-2013 **Queens' College, University of Cambridge, BA Natural Sciences – First Class**
Final year focus: Plant Sciences
First and second year modules inc.: Elementary Mathematics for Biologists, Cell Biology, Physiology, Evolution, Plant and Microbial science, Ecology, Animal Biology
- 2008-2010 **Truro College, Cornwall, International Baccalaureate (IB) Diploma: 43 points (maximum 45)**

RESEARCH EXPERIENCE

- 2016 **MIBTP rotation project 2, University of Warwick**
8-week lab-based research project in lab of Dr. P. Schäfer, culminating in mini-thesis. *Title: Investigating the molecular mechanisms involved in immunity-induced growth inhibition in Arabidopsis thaliana.*
- 2016 **MIBTP rotation project 1, University of Birmingham**
7-week lab-based research project in lab of Dr. J. Coates, culminating in an assessed poster presentation at MIBTP event. *Title: Investigating the role of MYB and ARABIDILLO proteins in root development.*
- 2014 **Classroom-based PGCE research, Sawston Village College and University of Cambridge**
Social sciences research into effects of self-assessment on student outcomes.
- 2013 **Undergraduate Final Year Research Project, University of Cambridge**
16-week research project in lab of Dr Julia Davies. *Title: Exploring Root-Level Interactions Between Wheat and Blackgrass*
- 2013 **Literature Review for Undergraduate Final Year, University of Cambridge**
Title: The Hemipteran "Pathogen"? Emerging Evidence for Aphid Effector Molecules Suppressing Plant Defences.
- 2012 **Lab placement studentship on CAPP* Project, Plant Sciences Department, University of Cambridge**
(*Combining Algal and Plant Photosynthesis) 8-week summer research project in lab of Prof. Howard Griffiths. Included basic molecular biology work, simple website design and content creation, and outreach with UK-Japan Young Scientists summer school.
- 2011 **Operation Wallacea expedition, Madagascar - Research Assistant**
1 month assisting with biodiversity research in spiny forests of Madagascar.

WORK EXPERIENCE

- 2016- **Food Climate Research Network, Oxford – 3 month full-time internship as part of MIBTP, continued part-time (4 hours a week; ongoing).** Primarily a communications role with main responsibility being for development of content for Foodsource website, and summarising research for weekly newsletter.
- 2014-2015 **Bottisham Village College, Cambridge – Teacher of Science**
- 2007-2010 **WH Smith, Truro, Cornwall – Sales assistant (part-time)**

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ADDITIONAL ACTIVITIES, SKILLS & AWARDS

Academic	Queens' College Book Prize and election to position of Foundation Scholar at Queens' College, University of Cambridge, for final year results.
Computing	Proficiency in Microsoft Office Word, Excel and PowerPoint; familiarity with basic programming, modelling and statistics in R Studio and Matlab. Attended Warwick Data Science Institute Vacation School: Principles and Practice of Data Analysis for Reproducible Research in R.
Volunteering	Active participant in local conservation work through Warwick Volunteers.
Outdoor	Countryside Leaders Awards. Duke of Edinburgh Award (bronze).
Travel	3 week solo backpacking experience, New Zealand.
Languages	Basic conversational and written French.
Driving	Full, clean UK driving license.