

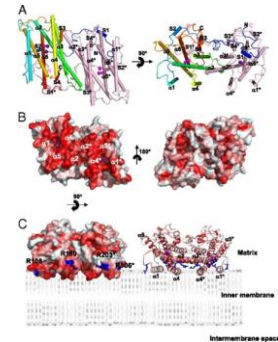
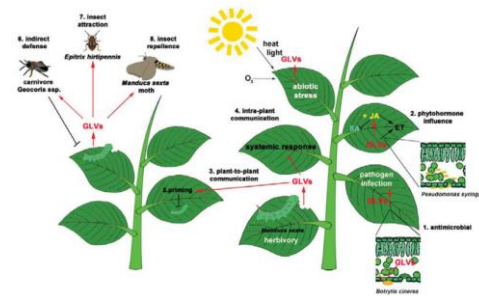
**“You can take the scientist
out of the lab....”**

Dr Siobhan Gardiner



Early days

- A-Levels (Biology, Chemistry, French, Economics)
- P&G - Hair dye formulation chemistry
- Royal Holloway - Plant biochemistry
- P&G - Fine Fragrances design lead
- University of Sussex - Plant biochemistry



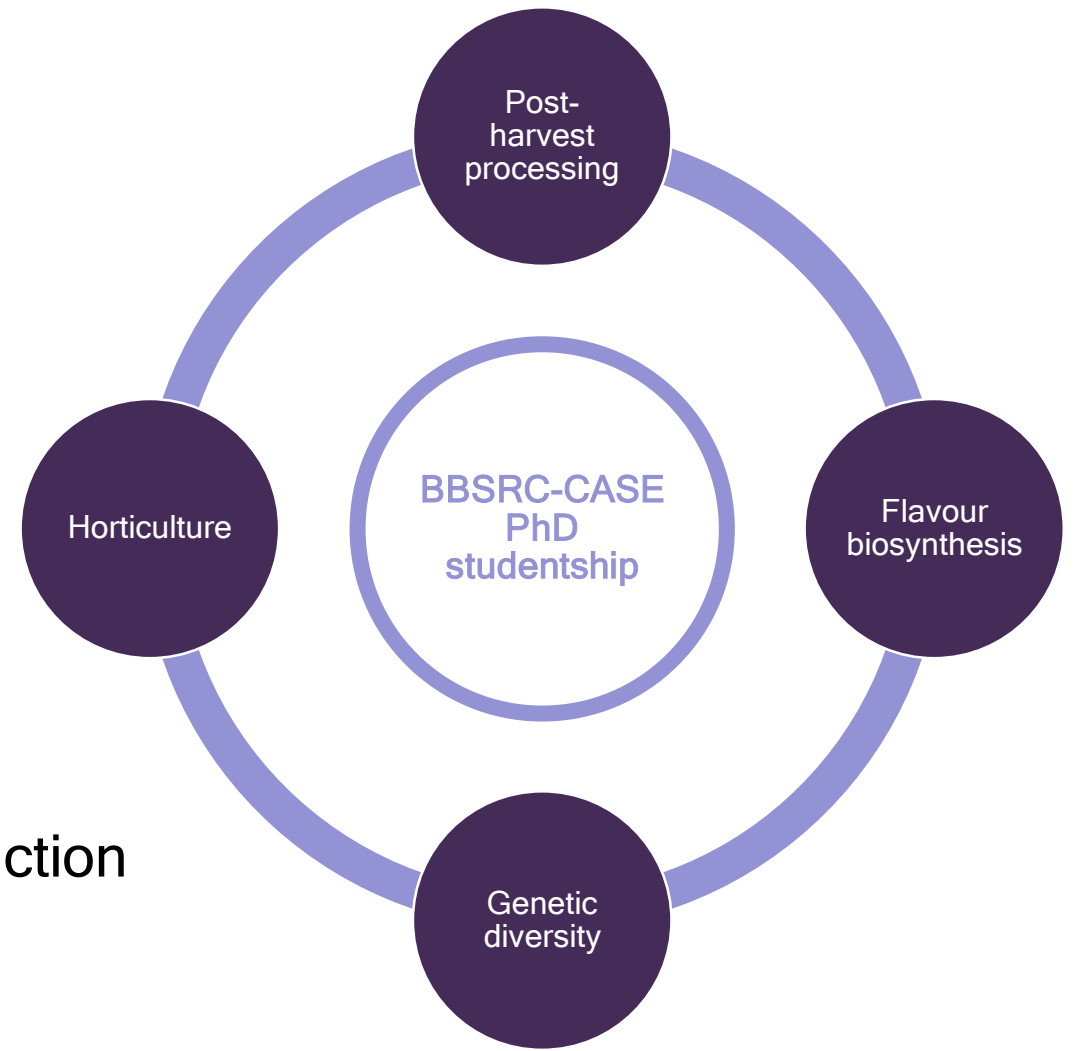
The PhD project

“From pod to product: Enhancing the phytochemistry of natural vanilla”

Common themes..



- Streamline/shorten production
- More “flavour” per pod
- Supply chain resilience



Secondments: Industry

R&D UK

- Plant biochemistry
- Horticulture
- Genetic diversity



Ice Cream Design



- Flavour portfolio
- Sensory science
- Product design
- Pilot plant manufacturing

R&D NL

- Flavour chemistry
- Working with suppliers
- Collaboration with universities



Secondments: Policy

BBSRC Science Policy Fellowship

- UK Parliament
- Royal Society of Biology
- UK Plant Sciences Federation
- European Plant Science Organisation



(Pre-election debates, select committee meetings in parliament, policy briefings, UK Plant Science roadmap, Defra stakeholder group for ABS)

Funding



Innovate UK



- BBSRC Science Policy Fellowship, November 2014
- MRS Career Researcher GRANT, March 2015
- Ph.D. Society of Europe / Asia GRANT, July 2015
- BBSRC Prize, July 2015
- BBSRC Training GRANT
- Science and Technology Best Lecture Prize, January 2016
- RSB Career Development Grant, January 2016
- Food ATN Grant, March 2016
- IFST Young Scientist (essay), April 2016
- Appointed to Innovation branch, May 2016
- L'Oreal UNESCO Women in Science Award, June 2016
- Bettany Centre for Entrepreneurship Grant, July 2016
- Forerunner Prize FINALIST, July 2016
- FCO Global Prosperity Fund Grant, July 2016
- Innovate UK Women in Innovation Grant, September 2016
- CWEIC Commonwealth Export Grant, October 2016
- FCO Global Prosperity Fund Grant, November 2016
- SCI David Miller Travel GRANT, May 2017
- Farmers Weekly / Woodland Trust Rising Star Award, June 2017
- Appointed Vice President, British Federation of Women Engineers, July 2017
- BSSS Grant (2-year funding for agrifood online), August 2017
- Innovate UK Emerging & Enabling Technologies Grant, September 2017
- Innovate UK ISCF: Robotics & AI 2017 cohort November 2017
- BBSRC Innovator of the Year - Early Career Impact Award, April 2018

Conferences



Courses

- MatLab & R
- Molecular modelling
- HPLC / LC-MS training course
- Media training
- Persuasive writing: win that bid!
- IP training
- Careers & employability events



Entrepreneurship

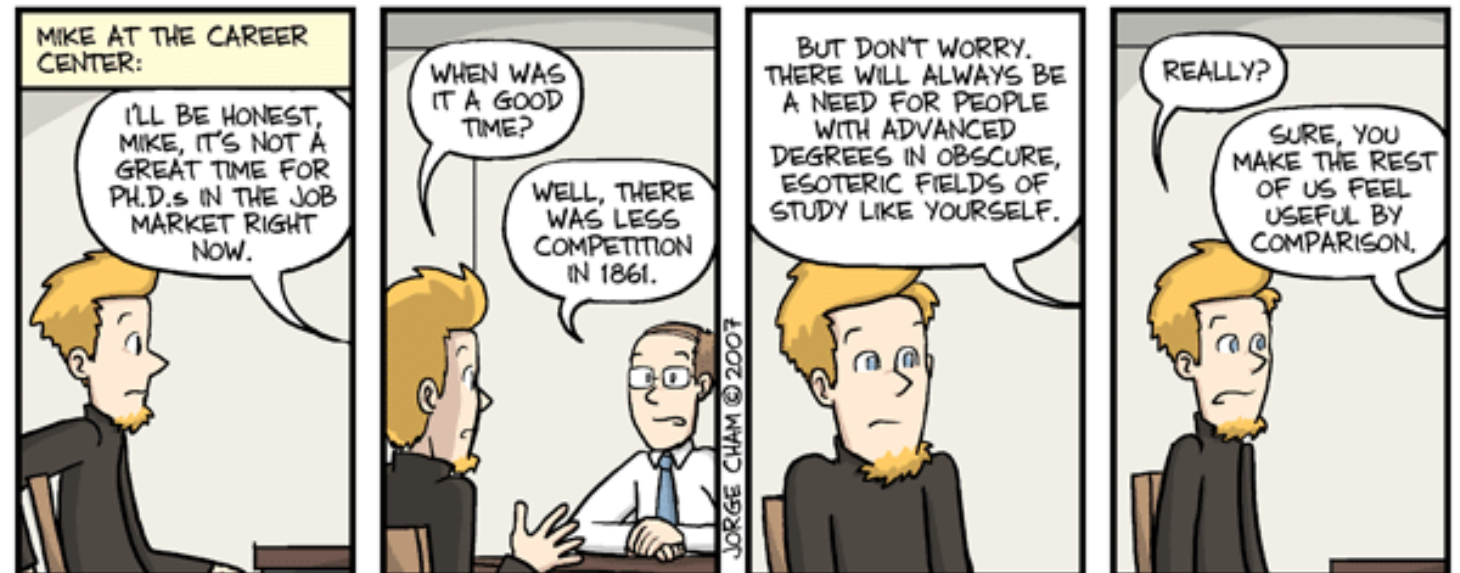
- Spin-out? Spin-in!
- Competitions
- Start-up accelerators
- KTN
- Innovate UK
- UK trade missions
- Early stage investors



Applying for jobs for after PhD

- #1: 100% knew what I *didn't* want to do (!)
- #2: Explored multiple areas:

- ✓ Biotechnology
- ✓ Consumer goods
- ✓ Pharmaceuticals
- ✓ Management consultancy
- ✓ Agritech
- ✓ Technology
- ✓ Policy
- ✓ NGO



R&D Manager (Food Futures)

- Post-harvest technology
- Core innovation: Food & Refreshment
- Flavour portfolio
- Industry-Academia collaboration
- Sustainability challenges



Sustainable Technology

- Tackling global challenges by using tech for good:
 - ✓ Innovation
 - ✓ Explore, test and scale
 - ✓ Scientific communication
 - ✓ Partnering with business
 - ✓ Industry-Academia gateway
 - ✓ Working with large organisations
 - ✓ Working with start-ups



Climate Change & Environment Lead

- Tackling global challenges by using tech for good:
 - ✓ Innovation
 - ✓ Explore, test and scale
 - ✓ Scientific communication
 - ✓ Partnering with business
 - ✓ Industry-Academia gateway
 - ✓ Working with large organisations
 - ✓ Working with start-ups



What next?

- Move up? Move out?
- Move abroad?
- Complete MBA?
- Another start-up?
- Gov/NGO?



**“....but you can't take
the lab out of the scientist!”**

