

Professional Internships for PhD Students

AN INTRODUCTION



PIPS Engagement Event

Newcastle / Liverpool / Durham

“There have been some truly excellent outcomes from the PIPS (Postgraduate Internships for PhD Students) programme in our partnership. Students have taken the opportunity to visit some exciting places, develop a broad range of skills and even secure permanent careers with their internship hosts”

Professor Keith Lindsey,
NLD BBSRC DTP Programme Lead



The Newcastle, Liverpool and Durham Partnership's view on PIPS



“Our partnership does not want to be overly prescriptive in the timing or in the nature of your internship; this would devalue the decision making that is an essential part of the professionalism we hope to engender. We envisage you will work with your supervisors and the contacts provided to find an internship project that will give you an experience you are able to reflect on with great positivity.”

Dr Richy Hetherington
NLD PIPS Co-ordinator

The PIPS Requirements

- Internships are up to three months in length
at any point from now until the final year.
- Timings are flexible
can be in three month block or distributed over a longer period.
- It is possible to combine two internship positions
With time spent adding up to around three months.
- Internships can be in any field but should be outside of academic research
This is very flexible but it is essential to see a new environment.
- Geography is not an issue
Local or abroad there is support for travel.
- This is 'your' internship
We can provide help with looking but you will need to find a PIPS that is right for you.
- For CASE students
Students can complete an internship with industry partners or elsewhere.

What you will need to do

1. Discuss your internship with your supervisors.
2. Consider where you might like to have an internship.
3. Approach the internship host (your supervisors, universities and the partnership are here to help you make those connections).
4. Apply for a bursary if you need help with travel or accommodation.
5. Complete an outside study form for your University.
6. Enjoy your internship.
7. Complete an evaluation form for the BBSRC and for the Partnership.

All of the information you need can be found at
<http://www.nld-dtp.org.uk/internships/>

Previous interns here today to discuss their experience



Kerry Newbrook, Liverpool University

Liverpool Student Kerry's internship involved working with the Veterinary Medicine Research and Development (VMRD) division of Zoetis. The work involved picking up several useful research techniques but also experience of scientific research in a global animal health company.



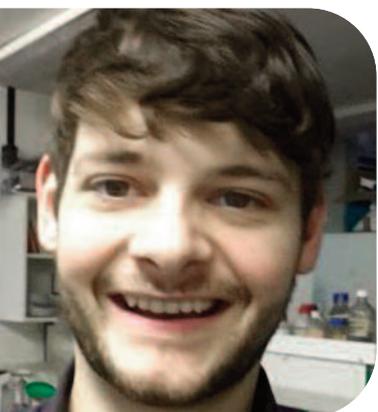
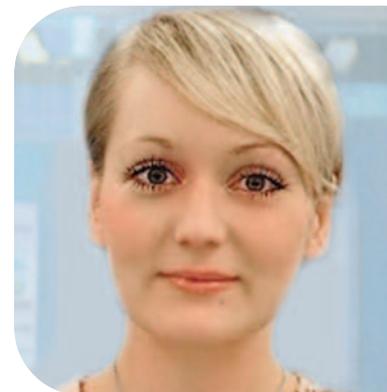
"My internship exceeded my expectations with regard to my personal development, training achievements and networking opportunities"

Abby Peters, Liverpool University

Medical Imagery specialists, Optasia Medical Limited were host to Abby Peters' internship. Abby wanted to try working in an environment that was completely different from academic research, working as a Regulatory Planner and being involved in completing an application for registration with the Care and Quality Commission provided this opportunity.

Abby said of her experience:

"I achieved so much personal development in the three months I worked for Optasia. I learnt many new skills and was able to fine tune what I was best at with the encouragement of a company"



Steven Dodd, Liverpool University

Steven wanted to experience the working environment in a biotechnology start-up company. Astrimmune in Huddersfield provided this opportunity.

The experience has made Steven review his career options:

"beforehand I had my heart set on academia and thought that industrial science was, in some ways 'selling out', now I've realised the importance of industrial science and how it feeds into improving academia"



Prospective Internship Hosts

Dr Michaela Spitzer is a Scientific Adviser at **Singer Instruments** and will attend to discuss the range exciting internship opportunities available at Singer. If you would like to develop your own research project and particularly if you are interested robotics and automation this Somerset based company looks like a really enjoyable place to work.

Find out more at their prospectus

<https://sites.google.com/singerinstruments.com/prospectus>



The Brilliant Club are an award winning charity with the goal of encouraging and supporting pupils from under-represented backgrounds to attend selective Universities.

Dr Natalie Day is a Newcastle doctoral graduate now working as a project officer for The Brilliant Club. Natalie will explain how a tutoring roll could contribute as part of an internship or the possibilities for a complete internship working on a broader project.



Dr Masih Alam is the founder of two spinout companies from Sheffield University, **immunoSYS** and **immundnz** specialise in the development of novel immunological technologies for a expansive range of potential products.





Elanco - the ideal case study

Deborah Hogg is the Process Development group leader in Technical Services/Manufacturing Support (TS/MS) at **Elanco**, Liverpool. Elanco is a global, innovation-driven company that develops and markets products to improve animal health and protein production in more than 75 countries. Elanco employs more than 2,300 people worldwide, with offices in more than 40 countries, and is a division of Eli Lilly and Company, a leading global pharmaceutical corporation.

Dr Shaun Calvert was a PhD student in the first cohort of our partnership. Following on from an internship with Elanco and the completion of his PhD Shaun was offered and accepted a position at Elanco. Shaun and Deborah will explain more about how this happened and what your PIPS can offer in terms of experience and contacts.

Other prospective hosts who would be happy to hear from you

Cambridge Research Biochemicals (CRB) a North-East based provider of the highest quality custom peptides and custom antibodies for research applications. CRB celebrates its 37th anniversary this year and specialities include complex peptide synthesis including heavily modified and labelled peptides (CRB have the largest range of fluorescent dyes in the world) and polyclonal and monoclonal antibody generation against either peptides, synthesised in house, or protein provided by the customer.



LGC are an international life sciences measurement and testing company, building leading positions in sustainably growing markets. LGC group provide reference materials, genomics solutions and analytical testing products and services, based on our innovations and own intellectual property. We work with customers in the pharmaceuticals, agricultural biotechnology, food, environment, security and sports sectors as well as with governments and academia to achieve excellence in investigative, diagnostic and measurement science.



At **Leica Microsystems'** Newcastle site a team of scientists work on the development of innovative diagnostic prognostic and predictive medical devices for cancer diagnosis. A Newcastle PhD student has recently completed a three month internship with Leica and has taken up the offer of a full time position with the company.



KWS is one of the world's four leading plant breeding companies. With headquarters in Einbeck (Germany) KWS has offices in over 70 countries and breeding locations throughout the main crop growing zones including the UK. Internships in various formats are available, in many countries offering opportunities across the spectrum of functions within the organisation, including breeding, research, commercial, HR etc. In addition KWS runs specific career entry programs including a Breeding Academy and Trainee positions.



Providing support



Dr Richy Hetherington is responsible for postgraduate development in Newcastle's Faculty of Medical Sciences. Richy will be a key contact for Newcastle students as they consider internship positions and is the co-ordinator for the PIPS event. After completing a doctorate in Evolutionary Genetics at Imperial College London Richy worked in the NHS and spent several years working in industrial bioscience.

Ms Sarah Golightly and **Mr Robert Oswald** provide administrative support for the PIPS programme and the DTP more generally. They are available to deal with any queries about expenses, bursary payments or the feedback required after you have completed an internship.

Dr Tim Cheek is the partnerships academic lead in Newcastle, Tim will be providing guidance for CASE students on the making the most of PIPS opportunities either with the industry sponsor or spending some time with another organisation.



Ms Clare Martindale is the Placement Officer for Science & Engineering at the University of Liverpool. Based within the Careers & Employability Service, she is a key contact for students considering their internship options and throughout the application process.



Mr David Henderson is Postgraduate Careers Adviser, Durham University Careers, Employability and Enterprise Centre (CEEC). David is responsible for the design and delivery of careers support to postgraduate research students and postdoctoral research staff. This includes individual consultations and group activities related to career planning and management.

Dr Sam Nolan leads Durham's provision of high quality and evidence based professional development for researchers within CAROD supporting high quality research and helping to develop innovative research-led educators. Working with his own Ph.D. students, Sam went onto develop a leadership role in a large European telescope project. At the same time Sam developed an interest in enhancing teaching and learning through his work on laboratory virtualisation.



Dr Diane Cresswell is the Executive Director for Business Development at Bionow. Bionow is a not for profit membership organisation for the biomedical/life-sciences industry in the North of England and supports business growth, competitiveness and innovation. Our membership base includes start-ups and early stage firms as well as established growth-oriented companies. Bionow's membership offering focuses upon the specific needs of firms at their different stages of development, including dedicated business support programmes, shared procurement schemes with significant cost savings, exclusive insurance benefits, recruitment and training services, local and national events and access to a vibrant network of businesses. For more information, visit www.bionow.co.uk

Event Schedule

24th March 2017 Queen's Hotel, Leeds

- 10:00 - 10:30** **Delegate arrival and registration**
- 10:30 - 11:00** **Introduction** - Dr Tim Cheek and Dr Richy Hetherington
- 11:00 - 12:00** **Previous interns**
three former interns share their experience
- 12:00 - 13:00** **Prospective internship hosts**
Prospective internship hosts present about their organisations and internships
- 13:00 - 14:00** **Lunch and networking opportunity**
- 14:00 - 14:30** **Elanco - the ideal case study**
Dr Shaun Calvert and Dr Debbie Hogg explain how an internship became a role for Shaun
- 14:30 - 15:00** **Local groups to discuss arrangements**
- 15:00 - 15:30** **CASE and Non-CASE student groups**
- 15:30 - 16:00** **Facilitated discussion** - Richy Hetherington and Diane Cresswell:
Who to approach and how to approach them when looking for an internship
- 16:00 - 16:30** **Coffee**
- 16:30 - 17:30** **Which internship is right for you?**
Reflections on the way people like to work and what experience would be useful from a professional development perspective
- 18:00 - 19:00** **Downtime**
- 19:00 - 19:30** **Drinks**
- 20:00 - 21:00** **Dinner**

Contact information

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