

Professional Internships for PhD Students

AN INTRODUCTION

2018



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 Training Lead and 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 a 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 For CASE students the PIPS is optional. Completing an internship with industry partners or elsewhere remains an option.

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. Notify the DTP and apply for any bursary funding.
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/internship-overview>

Previous interns here today to discuss their experience



Ifigeneia Giakoumaki, University of Liverpool

Ifigeneia's PIPS took place in Manchester with our long standing partners **Qiagen**. Ifigeneia really enjoyed the experience and the working environment.

"The placement has been an amazing experience I wish would last longer. QIAGEN as a company truly deserves its reputation but what I found as a pleasant surprise was their working environment and the general atmosphere of the people working there was outstanding."



Paige Panter, Durham University

Paige worked at the **Sense about Science** main office working on a variety of projects concerning the accurate reporting of science.



Paige said of her experience:

"The internship has definitely made me feel differently about my career. Science communication is definitely something I would think about going in to, but actually the work made me more excited about my own research and has surprisingly spurred me on in that area."



Amber Leckenby, University of Liverpool

Amber followed up on a presentation we had in the previous year's PIPS event and went to rural Somerset to work on a variety of projects developing automated lab machinery.

Amber said:

"My understanding of industry and how these institutions operate and are funded has increased hugely. It has made me more likely to pursue a career outside of academia.."



Prospective Internship Hosts

C4X Discovery aims to become the world's most productive drug discovery and development company by exploiting cutting-edge technologies to design and create best-in-class drug candidates. C4X Discovery is using its unique proprietary technologies to build a pipeline of high quality small molecule drug candidates addressing valuable markets with high unmet medical need.



Dr Sarah Kaye, Senior Bioscientist at C4X Discovery, will give an introduction to the company and explain the PIPs opportunities on offer.



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 role could contribute as part of an internship or the possibilities for a complete internship working on a broader project.



Ximbio are a new venture coming out of Cancer Research UK. Their aim is to help develop and share the products of research.



Dr James Richards, Dr Isobel Atkin and **Dr Chris Birchall** will be here to explain how being one of the Ximbassadors could be a great PIPS opportunity for students interested in the translation of research.





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.

Former DTP PhD student **Dr Keiran Hand** completed his PIPS with Elanco and is the second DTP student to return and take up a position with the company after completing their PhD.

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 predicative 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.

Mr Adam Hiles 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 partnership's academic lead in Newcastle. Tim will be providing guidance for CASE students on 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.

Dr Steve Bickerstaff, head of Liverpool's Doctoral College and manager of research student development.



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 on to 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

16th March 2018 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 experiences
- 12:00 - 13:00** **Prospective internship hosts**
Prospective internship hosts present their organisations and internships
- 13:00 - 14:00** **Lunch and networking opportunity**
- 14:00 - 14:30** **Local groups to discuss arrangements**
- 14:30 - 15:00** **CASE and Non-CASE student groups**
- 15:00 - 16:00** **Research and Innovation**
an introduction to the Young Entrepreneurs Scheme
- 16:00 - 16:30** **Tea**
- 16:30 - 17:00** **How to approach an internship host**
- 17:00 - 18:00** **Which internship is right for you?**
- 18:00 - 19:00** **Downtime**
- 19:00 - 19:30** **Drinks**
- 19:30 - 21:00** **Dinner**

Contact information

All Initial enquiries to:
Dr Richy Hetherington
Graduate School
Faculty of Medical Science
Newcastle University

0191 208 7874
richard.hetherington@ncl.ac.uk