

Education & Awards

- 2014-2018 **Ph.D. Biological Sciences**, *University of Cambridge, UK*.
- Thesis: *Comparative and Epidemiological Genomics of Clinical Malaria Infections*.
 - Funded on a highly competitive 4-year PhD grant from the Wellcome Trust and Medical Research Council at the Wellcome Trust Sanger Institute (10 selected out of >400 applicants).
 - Authored 8 scientific publications, including 5 first-author publications of which 1 was published in the prestigious journal *Nature* (acceptance rate <5%) and features in the top 2% of all scientific articles of the same age (altmetric).
 - Presented at 10 international conferences, winning best presentation prizes at 4 of them.
 - Selected to represent Luxembourg at the prestigious Lindau Nobel Laureate meeting in 2018.
 - Won 2nd Place in the 2018 ABTA UK Doctoral Researcher Awards (>200 applicants).
 - Obtained over £10,000 in additional competitive funding for scientific travel.
 - Personally initiated two new successful collaborations with researchers in Kenya and Mali.
- 2012-2013 **M.Sc. Quantitative Biology**, *Imperial College London, UK, Distinction*.
- Awarded the William Harvey Prize for finishing top of the class.
- 2012-2013 **M.A. English: 1850-Present**, *King's College London, UK, Merit*.
- 2009-2012 **B.Sc.(Hons.) Biology and English**, *University of Keele, UK, 1st Class*.
- Awarded the Society of Biology Top Student Award for finishing top of the class.
 - Awarded the Mary Campion Prize for being the most diligent student.
 - Won 1st place in the 2012 Santander Entrepreneurship Awards.

Corporate Work Experience

- Apr 2013-Pres. **Director**, *Company Consultants (UK) Ltd, Cambridge, UK*.
- Set up the firm to provide company formation and management services for UK and Hong Kong companies.
 - Using contacts with agents in Luxembourg, UK, and Hong Kong, the company now has an annual turnover of over £150,000, manages ~30 companies, and has 1 full-time employee.
- Sep 2017-Pres. **External Consultant**, *Merck KGaA, Darmstadt, Germany*.
- External consultant contracted to implement project idea developed during innovation workshop.
 - In collaboration with team members, analysing internal Merck data and liaising with Merck executives.
- May-Jul 2014 **Part-Time Consultant Intern**, *International Corporate Services (Luxembourg) Sàrl, Luxembourg*.
- Company formation and preparation of tax returns and abbreviated accounts of UK companies.

Scientific Work Experience

- Oct 2015-Pres. **Teaching Assistant**, *Wellcome Trust Sanger Institute, UK*.
- Led multiple groups of >20 postdoctoral researchers through tutorials of advanced analytical softwares.
- Aug-Sep 2014 **Visiting Researcher**, *Beijing Genomics Institute (BGI), China*.
- Based in the Shenzhen office, I partnered with Chinese researchers to analyse human gut microbiomes.
- Jan-Jul 2014 **Secondary School Biology Teacher**, *Lycée Technique Michel Lucius, Luxembourg*.
- Led a class of thirty 18- to 19-year-olds through their final year of secondary school.
 - Managed multiple interpersonal conflict situations with two classes of 14- to 15-year-olds.
- Nov-Dec 2013 **Research Assistant**, *Imperial College London, UK*.
- Jun-Aug 2010 **Laboratory Intern**, *Centre de Recherche Public Santé, Luxembourg*.

Positions of Responsibility

- 2015-2017 **Graduate (MCR) Committee Treasurer**, *Christ's College, UK*.
- Managed a £25,000 budget with hundreds of annual transactions.
 - Re-elected by majority vote after a successful first-year tenure (>100 votes cast).
 - Phased out cheques, brought in online banking and convinced College to pay for refurbishments.
- 2014-2015 **1st Year PhD Student Representative**, *Wellcome Trust Sanger Institute, UK*.
- 2012-2013 **Course Representative for Quantitative Biology**, *Imperial College London, UK*.
- Awarded 'Silwood Colours' prize in recognition of outstanding services to student life.
- 2011-2012 **Student Staff Liaison Committee Member for Biology**, *University of Keele, UK*.

Professional Development

- July 2018 **Merck Bioinnovation Cup Coach**, *Merck KGaA, Darmstadt, Germany*.
- Invited to coach the 'Deep Learning' team at this year's anniversary bioinnovation cup.
- Jun 2017 **Merck Bioinnovation Cup Participant**, *Merck KGaA, Darmstadt, Germany*.
- One of 40 participants selected from over 1400 global applicants.
 - As team Big Data, we developed an analysis method I proposed, which Merck now wants to implement.
- Nov 2015 **Biotechnology YES Entrepreneurship Participant**, *Syngenta Ltd, Bracknell, UK*.
- Team-based project to develop a business plan for a novel rhizobium-based product.
- 2014-2015 **Certificate in Entrepreneurship**, *Judge Business School, University of Cambridge, UK*.
- 2014-2015 **Management of Innovation & Technology**, *Judge Business School, University of Cambridge, UK*.

Languages

English (Native), **Luxembourgish** (Native), **German** (Fluent), **French** (Fluent), **Mandarin** (Conversational)

Interests

Boardgames (Designing and playing), **Private Investing** (£250,000 portfolio), **Family** (Wife and two daughters)