**Thomas Harry Taylor**

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Career Objective

After completing MSc Molecular Parasitology and Vector Biology, my objective is to study parasitology with the use of molecular biology. My personal preference would be using techniques such as microscopy, PCR and qPCR, cell culture and gene modification and with a passion for research manipulating data to determine meaningful results.

Personal Statement

A highly committed, extremely hard working, self-motivated BSc (hons) Biochemistry & Neuroscience graduate and MSc Molecular Parasitology and Vector Biology Student expecting Distinction. I have acquired excellent organisational and time management skills required to produce tasks and assignments of high standards within set timeframes as reflected by my high module scores. I have the ability to work on my own initiative with a high level of self-responsibility while also contributing as a key participant in active learning, possessing strong leadership qualities, in addition to exceptional planning, research, analytical and communication skills. Parasitology is my passion and I intend to develop a career dedicated to its study.

Key Skills

**Experimenting**

* Extensive practise in practical experiments from an Undergraduate to Masters level.
* Passion for experiments developed during ERASMUS, sample collection of mosquitoes in chambers were categorised according to attractiveness.
* Exposure to many novel techniques including olfactometer and GC-MS.
* Set the experiment room up to maintain environmental factors.
* ERASMUS extra project in Kenya, collecting parasites using mosquito ecology tools.
* *For Masters Degree, collected field data on field mice in the UK and analysed for parasite prevalence, abundancy and intensity in relation to co infection, intrinsic and extrinsic factors.*
* *Experience in PCR and qPCR, RNAi silencing, Cell culture, Microscopy, Dissection, ELISA and immunoassays relevant to parasitology.*

**Analysing**

* For ERASMUS, Abiotic factors analysed included temperature and humidity. Key variable was the odour profile of volunteers. However, multiple variant regression analysis was performed in Genstat to account for environmental factors. Data organised in Excel.
* After ERASMUS extra project in Kenya, returned to the UK to analyse data to determine breeding sites of mosquitoes. Developed a deep understanding of statistics.
* Masters Degree, critical analysis of two papers relating to my choice of artemisinin resistance.
* *Analysis on the data gathered from techniques mentioned above*

**Researching**

* Adept at using online database and book resources, have a fundamental understanding of the structure of scientific papers and can extrapolate information.
* This training in extrapolating information is in preparation for future contributions to the field of Parasitology or Vector Biology.
* Have researched many areas such as enzyme structure, trends in neuroscience, advances in medicine etc. However, Parasitology and Vector Biology are most understandable and fascinating.
* *Have researched Leishmaniasis, Trypanosomes, Plasmodium, Strongyloides, Anopheles*

**Presenting**

* A skill which is effectively executed with prior preparation and practise.
* During ERASMUS, presented a display to raise awareness of malaria on the World Health Organisation day, with information about malaria, interactive activities and sugar treats.
* Presented thesis on Alzheimer’s inhibitors to peers and supervisors, exhibiting strong communication skills in both the class room environment and at a scientific conference.
* A Level Presentation for the design of a caustic soda tank safety monitor (Electronic Engineering).
* *Will present for the module Research Design and Development, and for my research project involving parasite epidemiology and radiation effects*

**Organising**

* Have the confidence to take on multiple commitments, currently Student Class Rep, participating in volunteer activities, working as a student fundraiser, student.
* Developing my prioritisation skills and being as proactive as possible.
* Organised events for fundraising.

**Project Management**

* An Intelligent person who is consistently decisive in leading my projects, always considering the most successful outcome
* Capable of handling many different aspects of projects, working with supervisor’s requests, analysing data in the correct manner and presenting the results.

**Team player**

* Care for the aims of other members of the department by only focusing on important priorities such as well being and productivity. A kind sense of humor.
* Completed a week expedition in the Scottish Highlands, played football in teams, club fencing, participate regularly at the international society and zen Buddhist society.
* Have previous job experience working in teams as well as academic experience working in small groups during laboratory practicals.

**Leadership**

* First leadership role was school council department leader focusing on making the school IT facilities available to the community.
* Was an instrumental financial leader of my Young Enterprise team in school, leading my team to win the best under 16 team award.
* During undergraduate I was responsible as Neuroscience class representative, feeding back information from students to the representative board.
* Was also responsible for leading my own fundraising project for schools in Africa.

**IT skills**

* Proficient in Word, Excel, Powerpoint, Outlook, Data logging systems (MSR), genstat, graphpad and online database tools such as BLAST servers. Currently learning R.

Education

**MSc Molecular Parasitology and Vector Biology, University of Salford**

*2018-present*

**Current Semester Modules:** *Research Design and Development, Molecular Parasitology, Principles of Epidemiology and Surveillance, Parasite Immunology*

**First Semester Modules:** *Vector Biology and Control, Core Parasitology, Postgraduate Scholarship Skills* ***(Distinction for all modules)***

**BSc (Hons) Biochemistry and Neuroscience With a Year in Industry, Keele University: 2:2**

*2011 – 2016*

**2015 – 2016 Dissertation:** Determining the inhibitory potential of Heparan Sulfate on the formation of alpha-beta plaques characterised by Alzheimer’s disease.

**2015 – 2016 Core Modules:** Neurobiology of Vision and Hearing, Clinical Pathology, Biochemistry in Practise: Acquisition, Analysis and Communication of Information, Regeneration and Repair in the Nervous System.

**2014 – 2015:** Behavioural Neurobiology, Advances in Medicine. Leave of absence.

**2013 – 2014 Dissertation: Applied Life Sciences Placement. Determining the odour preferences of the malaria mosquito, *Anopheles gambiae*, to volunteers infected and not infected with the malaria parasite, *Plasmodium falciparum*. 2:1**

**2012 – 2013 Core Modules:** Gene and Protein Engineering, Endocrinology and Cell Signalling, Molecular, Cellular and Structural Immunology, Metabolism in Health and Disease 1:1, Development and Evolution of Nervous Systems, From Neurone to Brain, Human and Animal Cognition and Research and Analytical Skills. All at grade 2:1 or above.

**2011 – 2012 Core Modules:** Metabolism: Major Metabolic Pathways, Introduction to Neuroscience, Cell and Molecular Biology 1:1, Genetics and Evolution 2:1, Natures Tools: Proteins & Enzymes, Cells and Organelles: Biochemical Aspects of Cell Biology 2:1, Information and Inheritance, Human physiology and pathology.

**4 A Levels Biology, Maths, Chemistry, General Studies, Blackpool Sixth Form College**

*2010 - 2011*

**4 AS Levels Biology, Maths, Chemistry, Physics Blackpool Sixth Form College**

*2009 -2010*

**EPQ Diploma Physics/Engineering A, Blackpool Sixth Form College**

*2009 - 2010*

**12 GCSEs including Mathematics, English literature and language, triple science. AAAAAA.**

**6 other GCSEs grade B or above**.

Achievements

Receiving my Undergraduate Degree.

Received a silver award for the United Kingdom Mathematics Trust Maths Challenge.

Received my Grade 4 diploma in keyboard and Grade 5 diploma in music theory.

Received best under sixteen team award as financial director of the Young Enterprise team.

Fully qualified as a PADI scuba diver.

Career Summary

**Salford University | Student Fundraiser**

*2019-Present*

**Freelancer | Maintenance labourer**

*2018*

**Carphone Warehouse | Sales Representative**

*2017*

**Full time studies and travel**

*2011 - 2016*

**The Steak House | Kitchen Assistant**

*2010 – 2011*

**Charity Inks Recycling | Warehouse Representative**

*2009*

**Springfield House Hotel | Waiter**

*2009*

Voluntary Experience

**Volunteer 2019**

* Currently contributing to the wild life society, involved in pick up litter days. Will be volunteering for Blind Veterans in April

**Volunteer 2015**

* At Mathieson Music School Kolkota for gifted and talented students, preparing music lessons for students of between 5 and 16 and performing other duties such as obtaining water certification.

**Volunteer 2013**

* Researched and planned a journey hitchhiking to Croatia, raising money from colleagues, family and friends for building schools in Africa by organised.