



Matthew Sinnott

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EDUCATION

PHD. STRUCTURAL BIOINFORMATICS

October 2016 - Present

Institute of Structural and Molecular Biology - Birkbeck College and UCL



I am currently undertaking a PhD in Structural Bioinformatics with the Topf and Thalassinou laboratories at the ISMB. I am working on approaches to integrate restraints derived from Mass Spectrometry data into an approach to model the high definition structures proteins and protein complexes. My project mainly involves data analysis and computational modelling of large Mass Spectrometry data sets using Python.

BSC. BIOCHEMISTRY WITH A YEAR IN INDUSTRY

October 2012 - July 2016

Imperial College London



I completed my undergraduate degree at Imperial College London which included a sandwich year in industry between my second and third years, for which I attained a 2.1 grade. In my final year I took modules related to Structural Biology, Systems Biology and Bioinformatics. In my final year project I attempted to purify a protein involved in the gliding motility of the malaria parasite, as well as performing some network, docking and phylogenetic analyses.

WORK EXPERIENCE

ROTHAMSTEAD RESEARCH, *Researcher*

July 2014 - July 2015



During my year in industry I worked in the Cell Walls Group in the Plant Biology and Crop Science Division of Rothamsted Research. My main aims were to investigate the cell wall properties of the wheat starchy endosperm in wild type and knockdowns of proteins in the Glycosyl Transferase 61 family. This was mainly done using RP-HPLC and biophysical assays.







IMPERIAL COLLEGE UNION BAR, *Bar Staff/Supervisor*

October 2012 - October 2016



Whilst completing my undergraduate degree I worked as Bar Staff at the college union. In 2015 I received a promotion to Supervisor/Senior Steward.

SKILLS

-  Python 2 and 3 for modelling and data analysis.
-  Coding in Linux/Unix based operating systems.
-  Writing documents, presentations and posters in LATEX.
-  Recently self taught in the major web development languages: HTML, CSS and JavaScript
-  Software in the Office Suite such as Word, Powerpoint, Excel and Access.
-  I hold an ITC Level 3 First Aid at Work Qualification.

HOBBIES AND INTERESTS



I regularly go Kayaking, I also hold a safety and rescue certificate from British Canoeing.



I Enjoy top rope climbing and bouldering.



I enjoy rugby, and I play Tag rugby.



I take a keen interest in politics and current affairs.