

# Saul Moore

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## EDUCATION & QUALIFICATIONS

**2011-2014: Imperial College London**      BSc (Hons) in Biology - 2:1

**Notable Modules:** Applied Molecular Biology; Genetics; Cell & Developmental Biology; Biochemistry & Microbiology; Behavioural Ecology; Biodiversity & Conservation Biology; Biodiversity Genomics; Tropical Biology Field Course (Kibale National Park, Uganda).

**Final Year Project at Silwood Park: “The effect of forest edges on beta-diversity”**

A field-based study investigating the edge effect associated with natural woodland-clearing ecotones on the diversity of Coleoptera. Insects provide sensitive indicator taxa for the study of biodiversity decline. Understanding the complex interaction between many forest-dependent species and their habitat boundaries is essential if we are to find viable solutions for their conservation. As well as specimen collection, sorting and identification, my study involved significant data manipulation and statistical analyses using R programming software; applying taught linear modelling techniques in a practical setting, whilst exploring extra-curricular statistics, such as distance matrices and ordination analyses using the ‘vegan’ package.

**2009-2011: Emanuel School**

A-levels: Maths (A\*); Physics (A\*); Chemistry (A); Biology (A)

**2004-2009: Ashcroft Technology Academy**

GCSE: 10 GCSEs grade A\*/A

BTEC: Art & Design - Distinction\*

## RELEVANT WORK EXPERIENCE

**August 2014 - March 2015**      **Research Assistant at the Natural History Museum, London**

**Graduate internship (Aug 2014 – Nov 2014), leading to employment (Dec 2014 – Mar 2015)**

**The Biodiversity Initiative:** an innovative project that conducts site-based analyses of arthropod diversity and turnover across tropical forest ecosystems. Utilising novel DNA sequencing techniques, the aim was to create a reference database of individual mitogenome sequences as a shortcut for empirical taxonomy for rapid bulk processing and identification.

Worked as part of a small team directly responsible for:

- Processing, cataloguing and taxonomic identification of >2,500 specimens, constructing a database using MS Excel to collate the information.
- High-resolution imaging of the specimens, using Helicon Focus image stacking software.
- DNA extraction, following the QIAGEN Blood & Tissue kit protocol.
- Creating a Biodiversity Initiative image Flickr site, advertising through social media to promote public and scientific interest in the project.
- Collaboration and communication between the museum’s collection departments and the molecular laboratories, producing regular laboratory reports and presenting progress at weekly meetings; as well as liaising with various academic scientists, visitors, volunteers and potential project stakeholders.
- Establishing and writing a protocol for future employees on the project, providing a novel standardised method for the efficient bulk processing of tropical arthropod specimens.

**Skills gained:** Working largely unsupervised, I built confidence with independent decision-making and general problem solving. I also worked in a small team, dividing the work-load effectively in order to meet ambitious targets and to a high standard, whilst respecting the views of other colleagues, sharing knowledge and always maintaining a positive attitude.

**July - September 2013**

**Full-time Volunteer at the Natural History Museum, London**

Assisted Max Barclay, insect taxonomist and collections manager of the Coleoptera and Hemiptera division of curation and research. I was responsible for:

- Managing and updating information on a 300-year-old collection of insect specimens; handling main collection material, including specimens collected by Charles Darwin on the Beagle voyage; a task that necessitated extreme care and responsibility.
- Digitisation: Cross-referencing the collection with the museum's collections management database, KE-Emu, to identify unrecorded or misplaced material, including type specimens.
- Curating new material: Identifying, preparing, mounting and labelling specimens for incorporation into the main collection.

**Skills gained:** I demonstrated an ability to concentrate for extended periods of time, often in isolation, remaining meticulous during the repetitive tasks of pinning and mounting delicate and often minute specimens.

**July - August 2008**

**Work Experience at Plymouth University, Plymouth**

Work placement shadowing and assisting academic scientists with their research:

- **Entomology:** Investigating oak-tree arthropod biodiversity in Dartmoor National Park, involving field data collection using arboreal pit-fall traps, species identification using dichotomous keys, basic data analysis, and setting insects in polyester resin for preservation (3 weeks).
- **Marine Biology:** Maintaining university aquaria; recording data on temperature, pH and salinity levels to regulate water quality and ensure correct tank homeostasis (2 weeks).

## ADDITIONAL WORK EXPERIENCE

**Nov 2015 – Present**

**Sales Assistant at Muji, High St. Kensington, London**

Responsible for the numerous activities associated with general day-to-day running of the store:

- Daily management of the till; greeting and assisting customers, answering queries and appropriately dealing with complaints; stocking shelves and managing deliveries; ensuring the store is clean and tidy; processing transactions and arranging courier deliveries over the phone; ensuring the security and prevention of theft on the shop floor.

**Nov 2015 – Feb 2016**

**Part-time Sales Assistant at Kathmandu, London**

In addition to tasks ensuring the smooth management of the store, the main objective was to maximise sales over the busy Christmas period. In a short time, I acquired sufficient product knowledge to give professional advice on the latest outdoor wear and ski/snow-sport equipment.

**Skills gained:** Working in a busy retail environment and upholding a high standard of customer service has helped me develop many essential skills. Working as part of a sizeable team, continuously engaging with customers, I honed my ability to communicate with colleagues and members of the public, maintaining a confident and positive attitude.

## ADDITIONAL SKILLS & ACHIEVEMENTS

<b>Communication</b>	Excellent English writing skills; essay and scientific report writing. Professional presentation skills. Good knowledge of social media.
<b>IT Skills</b>	Proficient use of Microsoft Office. Competent use of R (statistical programming software). Statistical analysis and data manipulation.
<b>Membership</b>	Associate member of the Royal Society of Biology.
<b>Achievements</b>	Prefect at Ashcroft Technology Academy (2009). RYA National Sailing Scheme (Level 2). Duke of Edinburgh's Award (Gold).
<b>Hobbies</b>	Climbing, swimming, skiing and football.
<b>Travel</b>	Backpacking in Croatia, Sardinia and India (April - August 2015).

**References available upon request**