Genetics students benefit from being taught by cross-disciplinary professionals, at the internationally recognised Centre for Life, combining both innovative genetic research and clinical application. Studying at Newcastle gave me the opportunity to gain experience as a research laboratory assistant. I also carried out a professional placement year in industry. My time at Newcastle has provided me with a strong knowledge and confidence in practical skills in the field of genetics, and has aided me in obtaining a PhD position commencing September 2018.

The degree focuses on human genetics and the human genome.

You will study a range of model organisms in addition to humans. You will learn about gene regulation, mutations and diseases, development and evolution, and how cutting-edge technologies inform diagnostics and treatment of diseases such as cancer.

Newcastle University is a key player in the new era of rare disease research. 1 in 17 people will be affected by a rare disease.

We aim to treat these human diseases by developing and implementing new therapies. Key areas are neuromuscular diseases, cancers and kidney conditions.

The 100,000 Genomes Project, which focuses on rare genetic diseases and has been embraced by Newcastle, will allow our researchers to make new genetic diagnoses and discover novel treatments.

Becky Woods
Biomedical Genetics graduate

3 Year programme
Extensive laboratory based teaching.
Final year project in one of our excellent faculty research institutes.
Flexibility and choice of modules allows you to tailor your Biochemistry degree to your interests.

MSci Biomedical Genetics B903
This four year programme offers a choice of Masters modules and an extensive final year research project in one of our world class research institutes.