What is Biomedical Sciences?

Biomedical sciences is the study of how the human body is impacted by physiological and pathological disorder and disease, and how science combats this with medicine and therapy.

By studying the science behind modern medicine biomedical researchers investigate a wide range of topics including metabolic disorders such as diabetes, childhood cancer and microorganism infections.

During the Biomedical Sciences programme you will learn to integrate the practical laboratory skills of research with a solid theoretical understanding of health & disease mechanisms.

Improving transplantation success

Prof. Andy Fisher

Prof. Fisher leads a team of investigators in the NIHR Blood & Transplant Research Unit based at Newcastle University investigating new ways of preparing donor organs for transplantation. By manipulating the immune system, this process, known as "ex-vivo organ perfusion", has been shown to improve organ function and thus improve outcomes for patients receiving lung transplants.

Gaby Barran
Biomedical Sciences graduate

The first year of this degree really does give you a taste of everything. You then have the option to specialise in whatever subject you enjoyed the most. I also found this degree offers so much outside of the lecture theatre. From the chance to study in Australia over summer to interacting with so many lecturers each with their own specialities and further study opportunities. The research scholarship programme and my final year project gave me a chance to experience research first hand. This really helped me make the decision that I wanted to continue with further study as I enjoyed the change of pace and autonomy of working in the lab.

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 Biomedical sciences degree to your interests.

MSci Biomedical Sciences
B900

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.