

Durham



Heart #001

Newsletter

We'd like to welcome you to the first Durham Heart Newsletter! This has been an exciting month for us as we have significantly grown in members across all of our teams following success from the Freshers' Fair. We are delighted to now be a team of 70!



Group photo from our first team event.



Members at the Freshers' Fair.

Acknowledgements

We are also proud to say we represent a range of subjects, from Engineering to Business and Economics to Biosciences. Inside the department of Engineering, we have received incredible support from the academics including Dr Lian Gan, Professor Ashraf W Khir and Professor Christopher Crabtree who we would like to thank.

We would also like to say a massive thank you to our newest sponsor: Health Innovation North East and Cumbria.

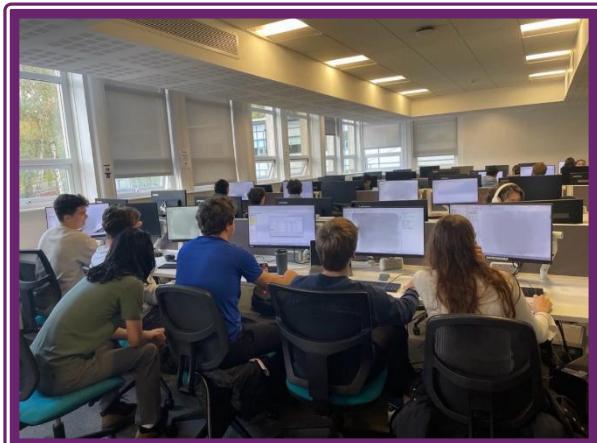


Electrical team in our new Bioengineering lab.

Our mechanical team have recently been working on 2 designs simultaneously. The new freshers on the team have been learning CAD to help with development of the hub and membranes; and research is being carried out on non-elastic biocompatible membranes. A compliance chamber is being designed and research on tubing that will be applicable for our design has begun.



Unboxing the new valve testing supplies.



Members working on design in computer lab.

Over the summer, our electrical team have been busy developing the power conversion circuit for the Transcutaneous Energy Transfer system and have found the optimal geometry for the coupling coils, as well as prototyping them.

We have now moved into our brand new laboratory space at the top of the Engineering Department and are loving the possibilities opened up by having our own space. We are excited for the hard work leading up to the Vienna Heart Hackathon!