We continually invest in resources, and improve research facilities to ensure that our academic staff and doctoral researchers are able to pursue their ideas, undertake research and transfer their knowledge to ensure significant global impact and excellence in teaching.

We lead the field in many of the emerging disciplines of the 21st century and can support research in areas such as hydrogen vehicle technology, nanotechnology, quantum technology, gene therapy, robotics, and the use of virtual reality in archaeology.

Some of our facilities are unique and form part of the distinctive Birmingham experience; they include:

- A rotating drum machine for adding ‘interesting’ flavourings to crisps
- [Glassblowing facilities](/facilities/glassblowing/index.aspx) for the production of bespoke and standard scientific glassware
- [A health research bus](/facilities/health-research-bus/index.aspx) to take clinical research into the community

Our many exciting facilities are primarily used to support our research and teaching activity; although some equipment can be used by industry and other research partners.

Research facility highlights

Explore some of our research facility highlights -

- [Archaeological visualisation](/research/facilities/vista.aspx)
- [Birmingham University Imaging Centre (BUIC)](/research/facilities/birmingham-university-imaging-centre.aspx)
- [Child-friendly laboratory](/research/facilities/child-lab.aspx)
- [Drug Discovery facility](/facilities/bddf/index.aspx)
- [Human biorepository](/research/facilities/biorepository.aspx)
- [Human movement laboratory](/research/facilities/movement-lab.aspx)
- [Hydrogen gas fuelling station](/research/facilities/hydrogen-fuel.aspx)
- [NMR spectroscopy](/research/facilities/nmr-spectroscopy.aspx)
- [Robotics laboratory](/research/facilities/robotics-laboratory.aspx)
- [University Observatory](/research/facilities/observatory.aspx)
- [Water flumes](/research/facilities/water-flumes.aspx)

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