



Access to tissue and data for research

Tissue samples are crucial in medical and scientific research enabling development of new medicines and treatments, improving detection of many different diseases, and advancing understanding of how and why they arise.

"The NHS is a major source of tissue donated by consenting patients who have undergone surgery or other minor medical procedures. The NRS Biorepository network provide managed access whilst maintaining robust governance requirements for existing collections, as well as facilitating the collection of bespoke samples."

NRS Biorepository Managers



NRS Biorepository network

Through the NRS Biorepository network national systems provide streamlined access to anonymised tissue and associated clinical data across Scotland.

As a coordinated network – independently accredited and operating to best practice – support is provided to commercial and non-commercial researchers, facilitating access to human tissue, collected during routine patient care, across a range of clinical specialities within NHS Scotland via one approved application.

This is made possible by an embedded consent process, expert clinical, pathological and scientific advice and commitment to ensuring donated patient samples support a broad research portfolio.



Services

- Expert advice
- Deposit and storage of tissue for dispatch
- Processing tissue
- Processing bloods into serum or plasma
- Slide Sectioning from paraffin/frozen blocks
- H&E and IHC staining
- Specialist stains
- Slide Scanning
- DNA and RNA extraction
- Tissue homogenisation for protein extraction
- Production of tissue micro arrays (TMAs)
- Access to SHARE DNA and blood components
- Liquid biopsies via surplus bloods.



A growing research register of pre-consented patients who have registered interest in helping medical research and can be identified via the coded data in their NHS health records. Permission to store and use blood that remains after routine clinical testing allows research into the relationship between genes and disease, and responses to treatment.

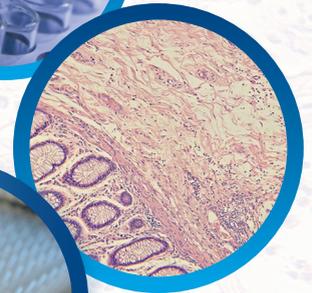
www.registerforshare.org

Expert clinical, pathological and scientific advice

The NRS Biorepository Network has created a streamlined pathway for researchers to obtain tissue samples and discuss the design and costing of projects across a range of clinical specialties.

Autoimmune & Inflammation
Cancer
Cardiovascular
Dermatology
Diabetes
Gastroenterology
Haematology
Hepatology
Mental Health Studies
Metabolic & Endocrine
Microbiology

Musculoskeletal
Neurology
Ophthalmology
Oral & Dental
Orthopedics
Paediatrics
Regenerative Medicine
Renal
Reproductive Health
Respiratory



Streamlined pathway

Feasibility

- One application across Scotland
- Collated feedback to applicant
- National coordinated costs to reflect project requirements.

To access tissue, researchers should contact biorepositories@nrs.org.uk or a local Biorepository Manager who will provide advice to start the application process.

Visit www.nrs.org.uk/biorepository for up to date contact information.

Assessment

- Clinical and pathology support
- Scientific and technical review
- Accredited tissue governance and ethics provided.

A committee assesses the merit of each request on scientific, technical and ethical grounds. If satisfied that the research is well planned and of medical value permission will be given for tissue to be provided.

Delivery

- Wide range of tissue services
- National coordination of tissue acquisition
- National Material /Data Transfer Agreement.

The biorepository will recommend if tissue is to be collated from across Scotland or available locally.