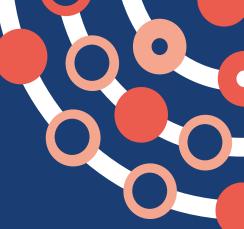# NIHR | BioResource

The NIHR IMID BioResource:
A resource for research collaboration

A consented and recallable resource of participants with Immune Mediated Inflammatory Diseases (IMIDs), including Rheumatoid Arthritis, Systemic Lupus Erythematosus, and Psoriasis with Spondyloarthropathies.
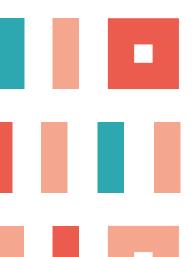
About the NIHR IMID BioResource

The National Institute for Health and Care Research (NIHR) BioResource is a panel of over 200,000 volunteers with or without health conditions, who have agreed to be contacted for research studies and have their data and samples stored and accessible to support research.

Immune Mediated Inflammatory Diseases (IMIDs) are a spectrum of disorders, including rheumatoid arthritis, lupus and psoriasis, with shared susceptibility genes, overlapping immunopathogenesis, clinical features and co-morbidities.

The NIHR IMID BioResource was established to support pioneering research between the NHS, universities, and industry, to better understand these conditions and develop new treatments for patients. It is led by the **NIHR Manchester Biomedical Research Centre (BRC)** in collaboration with **NIHR Newcastle BRC** and **NIHR Leeds BRC** and is an integral part of the **NIHR BioResource**. Together we aim to recruit 16,000 IMID patients, with recruitment being expanded across sites throughout the country.
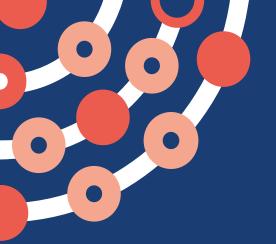
Participants consent for

- Collection of health and lifestyle data
- Access to health-related records
- Biosample (blood, or saliva, where a blood sample cannot be taken)
- Analysis, including genomics
- Recall for further research studies based on genotype and/or phenotype

The three main disease areas are

- Rheumatoid Arthritis
- Psoriasis and Seronegative Spondyloarthropathies
- Systemic Lupus Erythematosus (SLE) and related conditions

Information collected on key cross-cutting co-morbidities

- Pulmonary conditions
- Cardiovascular diseases and risk factors
- Fatigue / mood disorders

Benefits to industry

The NIHR IMID BioResource provides collaborative opportunities for industry to link with clinical partners to interrogate baseline databases and approach participants for recall for more detailed experimental studies and early phase clinical trials, including:

Patients and samples

- Rapid and secure access to curated patient data and samples for R&D purposes
- Collection, processing, storage and analysis of your study samples

Data

- Extensively phenotyped patients paired with associated genetic data for trial selection
- Access to IMID data without samples and participant re-contact
- Patient-reported symptoms for wider research into co-morbid factors

Infrastructure

- A network of leading UK centres and experienced clinicians with a cohort of consented patients
- Governance and research framework from the NIHR BioResource for quicker sample processing for trials

Work with us

To discuss opportunities for collaboration with the NIHR IMID BioResource, please contact:

imid@manchester.ac.uk

To find out about applying to use the BioResource, visit the industry applications webpage on the **NIHR BioResource website.**