



# Biobanking Showcase

**30th November 2020**  
**1.30 - 3pm**

**ZOOM ONLINE EVENT**



# Access to Tissue and Patient Data for Translational Research

## Do you need to access patient samples and data to progress your research?

This Translation Manchester Biobank Showcase will provide an overview of the samples and associated patient data held by the biobanks and will outline the process researchers should follow to apply for access. Getting access to patient samples and data is a significant hurdle for researchers who want to pursue translational research. Translation Manchester aims to facilitate and support the progression of discovery research to patient-centred research and clinical implementation. We have established the Translation Manchester Research Network (TMRN) as a central resource which researchers can use to identify organisations and expertise across the 'One Manchester' system.

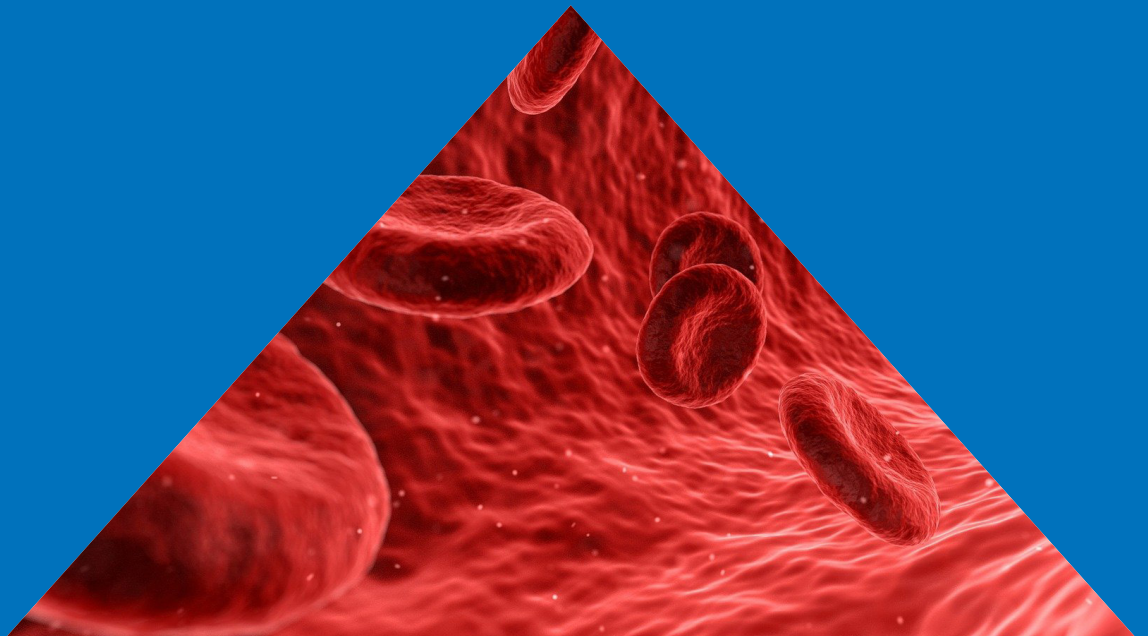
If you have questions for the biobanks ahead of the event please send these to [translation@manchester.ac.uk](mailto:translation@manchester.ac.uk) and we will address them on the day. There will also be an opportunity to ask questions to the speakers during the session.

The Translation Manchester Biobank Showcase will be recorded and made available through the Translation Manchester YouTube channel.  **YouTube**



## Event registration

zoom link will be sent to people registered.





## Biobank Showcase Programme

<b>13.30-13.40</b>	Introduction from Translation Manchester	<b>Alessandro Faroni Becky Bibby</b>	
<b>13.40-14.45</b>	Manchester Allergy, Respiratory and Thoracic Surgery (ManARTS) Biobank	<b>Helen Francis</b>	Page 5
	Renal biobank	<b>Patrick Hamilton</b>	Page 6
	ComplexWounds@Manchester	<b>Adam Reid</b>	Page 7
	Manchester Foundation Trust (MFT) Biobank	<b>Jay Brown</b>	Page 8
	Manchester Cancer Research Centre (MCRC) Biobank	<b>Jane Rogan</b>	Page 9
	Salford Biorepository/Northern Care Alliance Research Collection (NCRA)	<b>Rob Oliver</b>	Page 10
	Brain Bank	<b>Andrew Robinson</b>	Page 11
	Brain Tumour North West	<b>Federico Roncaroli</b>	Page 12
<b>14.45-15.00</b>	<b>Q&amp;A Session</b>		



# TranslationManchester

Supporting translational research



## How do you support researchers in Manchester?

The University of Manchester was one of the first institutions to receive a Wellcome Translational Partnership Award (TPA) back in 2018. The 6 year award amounts to £3.6m of funding to build better links between science, technology and innovation by removing barriers between disciplines and making it easier to take the first translational step. The TPA is delivered through Translation Manchester which launched in February 2019. Our Translational Research Facilitators (TRFs), Dr Alessandro Faroni and Dr Becky Bibby, manage the TPA award and Translation Manchester. The TRFs support translational researchers and project across all stages of the *Translational Research Pathway*.

### We help researchers by:

- Forging new and productive connections between UoM researchers and NHS clinical staff
- Raising awareness and increasing engagement in translational research across UoM and associated Greater Manchester NHS Trusts
- Supporting investigators, enabling them to to overcome hurdles and bottlenecks along their translational research journey

Our TRFs manage two translational funding schemes 'Projects for Translation (P4T)' and 'Access to Expertise (A2E)'. These funding schemes provide pump priming funding to address a specific bottleneck or hurdle within an ongoing translational research project. The TRFs also manage the Informatics Training Scheme, which provides researchers with an opportunity to gain skills in the areas of health informatics, bioinformatics and biostatistics that can be applied to their translational research projects.

## At what stage in their research project should a researcher approach you for support?

Researchers who are experiencing a bottleneck or hurdle that is preventing them from progressing their translational research project should approach Translation Manchester for support. This could be anything from needing a connection to clinical staff in the NHS or help finding the right person to collaborate with. Our TRFs also support translational funding applications and access to patient samples and data. Researchers who want to engage in translational research but need advice on how to do so should also contact our TRFs.

 [www.translation.manchester.ac.uk](http://www.translation.manchester.ac.uk)

 [translation@manchester.ac.uk](mailto:translation@manchester.ac.uk)

 [@Translation\\_Mcr](https://twitter.com/Translation_Mcr)

## The ManARTS Biobank

A repository of biological samples and detailed clinical information from patients with a range of respiratory conditions and patients with allergies and control samples from Healthy Volunteers.

### How do you support researchers in Manchester?

The ManARTS (Manchester Allergy, Respiratory and Thoracic Surgery) Biobank comprises of a repository of biological samples and detailed clinical information from patients with a range of different diseases, including asthma, cough, interstitial lung disease (ILD), fungal lung disease, cystic fibrosis and patients with allergies. We also collect control samples from Healthy Volunteers.

The biobank was established to facilitate high quality translational research in respiratory medicine and allergies.

Most patients recruited to ManARTS Biobank are asked to donate biological samples (such as blood/saliva, urine, sputum) for the tissue bank. We are also able to collect bronchoalveolar lavage (BAL) and bronchial biopsy samples and lung tissue from patients undergoing lung resection. We collect accompanying clinical information from case notes, as many patients have already undergone lots of investigations within the NHS clinic.

This research resource is used most commonly by the researchers at Manchester University NHS Foundation Trust and the University of Manchester. However, researchers from other academic institutions and from the pharmaceutical industry are able to apply to ManARTS Biobank to request permission

to perform research using the data and samples in the biobank. Applications to the tissue bank for researchers to access samples and data for research are considered by our steering committee.

### At what stage in their research project should a researcher approach you for support?

As early as possible but we offer support at all stages of a project.

## Contact

**Helen Francis, Biobank Manager.**

 0161 291 2847

 [helen.c.francis@manchester.ac.uk](mailto:helen.c.francis@manchester.ac.uk)

**Jenny Hankinson**

 0161 275 5426

 [jenny.hankinson@manchester.ac.uk](mailto:jenny.hankinson@manchester.ac.uk)



## Manchester Renal Biobank at the Manchester Institute of Nephrology and Transplantation

The bank stores tissues from patients, both adults and children who have had a renal biopsy. Prospective collections are also possible

### How do you support researchers in Manchester?

We collect tissues to support research activities in adults and children on preserving native kidney function; re-providing limited kidney function through dialysis and understanding the pathophysiology of reperfusion injury and rejection in kidney transplants.

### At what stage in their research project should a researcher approach you for support?

As early as possible in order for suitable patients to be identified prospectively. We are happy to establish new collaborations with academics interested in nephrology and seeking tissues for their research.

## Contact

Dr Patrick Hamilton

✉ [Patrick.hamilton@mft.nhs.uk](mailto:Patrick.hamilton@mft.nhs.uk)

Dr Durga Kanigicherla

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Prof Rachel Lennon

✉ [Rachel.lennon@manchester.ac.uk](mailto:Rachel.lennon@manchester.ac.uk)



## ComplexWounds@Manchester Biobank (CWB@Manchester)

Offers collection and storage of complex wound samples including tissue, fluid, blood and healthy tissue biopsies for investigation of wound healing

### How do you support researchers in Manchester?

The ComplexWounds@Manchester Biobank offers a not-for-profit service to researchers within the University of Manchester, other academic institutions, NHS Trusts and private industries.

CWB@Manchester aims to provide researchers with access to samples from patients with a variety of complex wound aetiologies including:

- Pressure ulcers
- Diabetic foot ulcers
- Venous & Arterial leg ulcers
- Complex traumatic wounds
- Iatrogenic wounds due to surgical complications
- Wounds secondary to infection
- Acute and chronic burn wounds
- Healthy surgical wounds

Ethical approval has been granted for collection of the following types of samples from patients with complex wounds:

- Tissue normally discarded during surgery or dressing changes
- Blood samples
- Wound or healthy tissue biopsies
- Wound fluid (taken as swabs)

In addition to offering wound samples for biomedical researchers, the CWB@Manchester team collect routine anonymised clinical data related to the wound and patient demographics for analysis and comparison to clinical phenotype.

Routine samples are stored frozen at -80oC within the MFT Biobank on the MFT Oxford Road site (licensed by the Human Tissue Authority with approval from the National Research Ethics Service to operate as a Research Tissue Bank). See MFT Biobank entry for details).

We strongly encourage contacting the CWB@Manchester team early on in project design to discuss feasibility, cost and timescales for tailored prospective sample collection requests.

### At what stage in their research project should a researcher approach you for support?

As early as possible to ensure timely and appropriate specimen collection. However, we are also able to offer support at all stages.

## Contact

**Bradley Tallon, Clinical Trials Manager**  
Burns, Plastics & Critical Care

✉ [Bradley.tallon@mft.nhs.uk](mailto:Bradley.tallon@mft.nhs.uk)

☎ 0161 291 5868



## Manchester University NHS Foundation Trust (MFT) Biobank

Supplies samples of human tissue, blood, body fluids and processed derivatives for use in ethical biomedical research

### How do you support researchers in Manchester?

The MFT Biobank is a not-for-profit service established to increase the availability and use of human biomaterials for research within academic institutions, NHS Trusts and private industry. Located on the MFT Oxford Road site, we supply samples of human tissue, blood, body fluids and processed derivatives for use in ethical biomedical research.

There is an open access policy for researchers who are expected to use the tissue responsibly. We are licensed by the Human Tissue Authority and have approval from the National Research Ethics Service to operate as a Research Tissue Bank.

The Biobank is fully equipped for biomaterial collection, processing and storage:

- Frozen Storage at -80C with 24hr temperature monitoring and alarm system
- All processes managed by dedicated Laboratory Information Management System (LIMS)

We currently hold biomaterials from the following disease areas:

- Gynaecological disease (including benign, malignant and control samples).
- Bowel disease (including cancer, ulcerative colitis and Crohn's disease).
- Head and neck, kidney, liver and prostate cancer.

### At what stage in their research project should a researcher approach you for support?

As early as possible. Ideally during the grant writing stage but we can still come in and offer support mid-project.

## Contact

Jay Brown (Biobank Manager)

 0161 7011890

 [jay.brown@mft.nhs.uk](mailto:jay.brown@mft.nhs.uk)

 <https://research.cmft.nhs.uk/facilities-services/biobank-and-pathology/biobank>



# The Manchester Cancer Research Centre (MCRC) Biobank

Supplies samples of human tissue, blood, body fluids and processed derivatives for use in ethical biomedical research

## How do you support researchers in Manchester?

The MCRC Biobank collects cancer samples from five collaborating NHS Trusts across the region. These are The MCRC Biobank collects samples from five collaborating NHS Trusts across the region. These are:

- The Christie NHS Foundation Trust (CFT)
- Salford Royal NHS Foundation Trust (SRFT)
- University Hospital of South Manchester NHS Foundation Trust (UHSM)
- Pennine Acute Hospitals NHS Foundation Trust (PAT)
- Manchester University Foundation Trust
- Manchester Royal Infirmary
- Wythenshawe Hospital

By targeting collections to areas of specialisation, the Biobank will be able to build a comprehensive bank of samples to facilitate future research into all types of cancer.

## At what stage in their research project should a researcher approach you for support?

As early as possible but we offer support at all stages of a project.



## Contact

MCRC researchers who wish to use samples from the Biobank should make an expression of interest to the MCRC Biobank Business Manager

✉ [jane.rogan@christie.nhs.uk](mailto:jane.rogan@christie.nhs.uk)

☎ +44 (0) 161 918 2110

## Salford Biorepository

Supplies samples of human tissue, blood, body fluids and processed derivatives for use in ethical biomedical research

### How do you support researchers in Manchester?

Salford Biorepository Facility is located in purpose built laboratories in the Clinical Sciences Building at Salford Royal Hospital. It provides a professional sample handling and storage service to support the clinical research activities within Salford Royal and across the Northern Care Alliance (NCA).

The team provides support and advice to clinicians and researchers to facilitate the collection of human research samples for clinical and academic studies, and helps ensure continued compliance with the regulatory requirements. The facility operates within Medicines and Healthcare Products Regulatory Agency (MHRA) and Human Tissue Authority (HTA) guidelines.

The vast majority of samples that are processed and stored are blood or blood derived products (e.g. serum, plasma, DNA). The facility currently stores over 65,000 samples, which have been generously provided by over 4000 donors. Its supports over 50 clinical research projects and has provided training to over 75 research staff. Samples can be tracked electronically with barcode laboratory information management software and are held in frozen storage at -75°C with both 24 hour switchboard alarm monitoring and 24 hour wireless alarm and temperature monitoring.

Salford Biorepository also facilitates the collection and storage of material held as part of the NCA Research Collection (NCARC). This is a generic research tissue bank, hosted by NCA Research and Innovation, with ethical permission to collect any sample types from consenting patients for unspecified future biomedical research. This facilitates important research with commercial and academic partners who require access to high quality annotated samples.

### At what stage in their research project should a researcher approach you for support?

As early as possible but we offer support at all stages of a project.

## Contact

**Dr Rob Oliver, Laboratory Lead**

 **0161 206 3204**

 **rob.oliver@manchester.ac.uk**

**Julie Oxtan, Biorepository Manager**

 **0161 206 5415**

 **julie.oxtan@manchester.ac.uk**



## Brain Bank

Providing brain tissue samples to researchers

### How do you support researchers in Manchester?

Manchester Brain Bank (MBB) is a research tissue bank based in the Biomedical Facility at Salford Royal Hospital. We supply human brain tissue for use in research projects. The ethical approval of MBB allows researchers to apply for use of tissue without the need for them to apply for their own ethical approval.

MBB is primarily a neurodegenerative disease brain bank and, thus, can provide fixed or frozen brain tissue to researchers working in that particular area of research. However, there are plans to expand the remit of MBB and we hope to begin collecting brain donations from individuals with brain tumours, stroke and traumatic brain injury in the near future.

MBB has supplied over 22,000 samples for research since 2009 and this number continues to grow! We have forged close links with researchers at University of Manchester, Manchester Metropolitan University and Salford University and we'd like to continue to support as many researchers in Manchester as we can.

### At what stage in their research project should a researcher approach you for support?

If researchers wish to use human brain tissue from MBB in their proposed research project, we ask for them to contact us as early as possible.

The process to apply for tissue from MBB is as follows:

The applicant completes a tissue request form and returns the form to MBB for scrutiny and possible amendment before it is sent to the MBB management committee for comment and approval.

- Once the tissue request is approved, the applicant completes a material transfer agreement. No tissue can be released from MBB without a completed and fully signed material transfer agreement.
- After all essential paperwork is completed, a purchase order will be required for the cost of the request. These costs will be agreed with the requestor beforehand.
- Once a purchase order is received, MBB can begin to collate the tissue required for the request.

## Contact

Dr Andrew Robinson, Brain Bank Manager.

 0161 206 2580

 [andrew.c.robinson@manchester.ac.uk](mailto:andrew.c.robinson@manchester.ac.uk)

# Manchester Brain Tumour Biorepository and Brain Tumour North West (BTNW)

This tissue and blood resources enable studies to advance our understanding of tumour development. Anonymised clinical annotations and neuroimaging data are also available

## How do you support researchers in Manchester?

The Brain Tumour Biorepository in Manchester is located at the Geoffrey Jefferson Brain Research Centre on Salford Royal site and it is part of the North Care Alliance Research Collection

The BTNW bank is held at Lancashire Teaching Hospitals, Preston

The Walton Research Tissue bank is held at the Walton Centre for Neurology and Neurosurgery, Liverpool.

Access to tissue from these repositories is made by submission of a short application form which outlines the project and tissue requirements. The application is subject to review by a panel comprising senior clinicians and academics.

Tariffs for tissue processing and supply are applied.

## At what stage in their research project should a researcher approach you for support?

Researchers who wish to apply for human brain tumour tissue and blood should contact us as early as possible to discuss tissue availability and costs.

## Contact

### Manchester

Professor Federico Roncaroli

✉ [federico.roncaroli@manchester.ac.uk](mailto:federico.roncaroli@manchester.ac.uk)

✉ [federico.roncaroli@srft.nhs.uk](mailto:federico.roncaroli@srft.nhs.uk)

### Preston

Professor Tim Dawson

✉ [Timothy.Dawson@lthtr.nhs.uk](mailto:Timothy.Dawson@lthtr.nhs.uk)

Mrs Kate Ashton

✉ [katherine.ashton@lthtr.nhs.uk](mailto:katherine.ashton@lthtr.nhs.uk)

### Liverpool

Dr Nitka Rathi

✉ [Nitika.rathi@thewaltoncentre.nhs.uk](mailto:Nitika.rathi@thewaltoncentre.nhs.uk)

Mr Khaja Syed

✉ [khaja.syed@thewaltoncentre.nhs.uk](mailto:khaja.syed@thewaltoncentre.nhs.uk)

🌐 <https://www.ncaresearch.org.uk/support-research/ncarc-information-for-researchers/>

🌐 <http://www.btnw.org.uk/>

🌐 <https://www.bmh.manchester.ac.uk/research/domains/neuroscience-mental-health/neurooncology/>

## Translation Manchester Research Network

Translational research relies on collaborations and multidisciplinary working, but in organisations as large as the University of Manchester, finding the support you need at the right time can sometimes be tricky. We are extremely fortunate that there are a number of groups and organisations that span the University and the Greater Manchester NHS Trusts, which exist to facilitate translational research. In an attempt to bring this infrastructure together into one, easily accessible space, Translation Manchester has created the 'Translation Manchester Research Network' as your one-stop-shop for all your research support needs. Spanning funding to biobanks, statistics to trial design- there is something for every type and stage of research project.



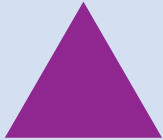

To learn more about the Network and its partners visit our website and download our booklet.

 [translation@manchester.ac.uk](mailto:translation@manchester.ac.uk)


 *The TMRN is an essential component of Translation Manchester and it has been the “one-stop-shop” for translational researchers. We plan to use the expertise of our network partners to deliver translational research support across the University.* 

- Translational Research Facilitators  
Research Strategy and  
Innovation Team, FBMH





The Translation Manchester team have started to bring together this network of support, but we need your input to help it grow. If you run, or know of, a group or facility, which supports translational research, contact us to get involved: **[translation@manchester.ac.uk](mailto:translation@manchester.ac.uk)**



# TranslationManchester

► Research Network



To find out more about how the Translation Manchester Research Network and how our Translational Research Facilitators can support you:

## CONTACT US



[www.translation.manchester.ac.uk/translational-research](http://www.translation.manchester.ac.uk/translational-research)



[translation@manchester.ac.uk](mailto:translation@manchester.ac.uk)



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# TranslationManchester



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