



TranslationManchester

Supporting
Translational
Research

THE TRANSLATION MANCHESTER RESEARCH NETWORK

TRANSLATIONAL RESEARCH

Pronunciation:

/trænz'leɪʃ(ə)n(ə)l/ /rɪ'sə:tʃ, 'rɪ:sə:tʃ/

noun:

the process of applying ideas, insights, and discoveries generated through basic scientific inquiry to the treatment or prevention of human disease

NETWORK

Pronunciation:

/'nɛtwə:k/

noun:

a group or system of interconnected people or things

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What is Translational Research?

Translational research is the process by which basic scientific research is 'translated' into patient focused research and improved patient and population healthcare and wellbeing; it often informs and implements policy changes in the longer term.

The translational research pathway includes a series of stages which take basic, non-clinical (bench side) research through human and clinical applications into communities and populations. It can be applied to any functional healthcare intervention and includes medical procedures, medical devices, treatment pathways, drug development pathways, diagnostic imaging and diagnostic tests, software development, novel technologies, education, training and lifestyle changes.

The translational research pathway can be categorised into four discovery stages (D1-4) and four translational stages (T1-4).

D1: Basic research with no projected clinical, practical or commercial application

D2: Disease or medical condition focused research

D3: Potential clinical, practical or commercial outcome is identified

D4: Research lead optimisation

T1: First tests in humans

T2: Results reach statistical relevance from a significant number of patients/ tests

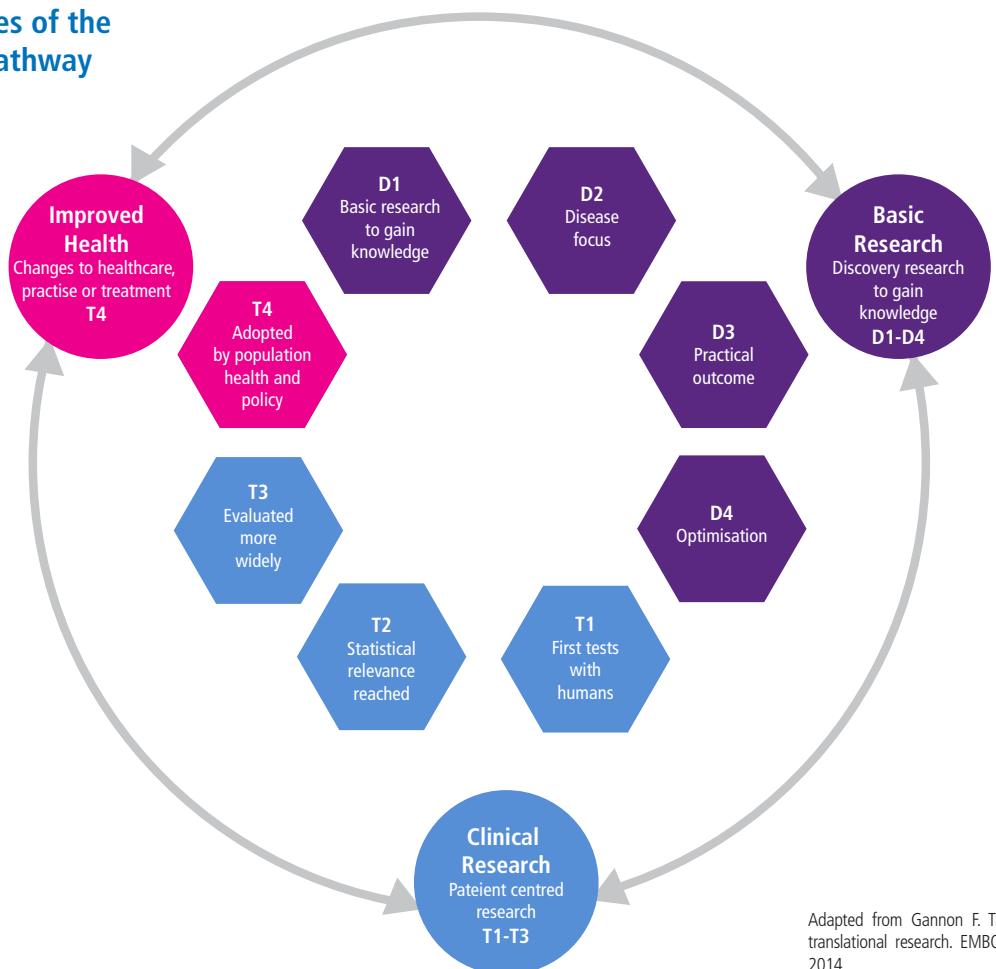
T3: Application is being tested/ used more widely

T4: Findings are implemented in population health and policy

Progression along the pathway is not always linear or sequential and most research projects will include work that falls into multiple stages of the pathway. With the exception of research that is solely in the D1 stage, most research is translational, even if it is outside the remit of the ongoing project/ funding.

With appropriate support, newly identified, successful collaborations can take research to the next stage of the translational pathway. The Wellcome Trust Institutional Translational Partnership Award and Translation Manchester aim to help researchers identify translatable research and progress ongoing projects along the translational pathway.

The Eight Stages of the Translational Pathway



Adapted from Gannon F. The steps from translatable to translational research. EMBO reports 15 (11) 1107-1108, 2014

Introduction to Translation Manchester

Translation Manchester was established in May 2018 as part of a Wellcome Trust initiative to help overcome the obstacles to conducting translational research in Greater Manchester, by bringing together a network of support, facilities and expertise to make the pathway to translation quicker and easier.

Translational Research Facilitators (TRFs), Drs Laura Ajram and Andrea Short aid investigators by ensuring translatability of ongoing projects, forging new and productive connections between academic researchers and the clinical workforce and leading two translational funding schemes- 'Projects for Translation (P4T)' and 'Access to Expertise (A2E)'.

If your research requires support, funding or making new connections to move you one-step closer to patient benefit, Translation Manchester is here to help.



"However excellent our research is, we have a duty to society to ensure that it is applied for benefit to health, well-being and the economy.

The essence of that translation is connecting people with complementary skills and assets at all stages of the process."

Professor Luke Georghiou
PI, Wellcome Institutional Translational Partnership Award &
Vice-President Research & Innovation, The University of Manchester

Meet the Team

Professor Luke Georghiou

PI – Wellcome Trust Institutional
Translational Partnership Award (ITPA)



Dr Lloyd Gregory

Operational Lead (ITPA)



Dr Graham Cadwallader

Director of Strategic Funding



Dr Ania Jolly

Strategic Funding Manager



Dr Laura Ajram

Translational Research Facilitator



Dr Andrea Short

Translational Research Facilitator



Adam Reekie

GM Research Hub Co-ordinator



Annette Barber

Senior Administrator





The Translation Manchester Research Network

"We already have major research infrastructure in the BRC and CRF and a multitude of support systems for producing high quality research.

We now need a co-ordinated approach to successfully deliver research for patient benefit."

Professor Graham Lord,

Vice-President and Dean of the Faculty of Biology,
Medicine and Health at The University of Manchester.

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.

The following pages detail how each team can support researchers and outline when and how to contact them to utilise their services. We hope this initiative will help direct you to the right people at the right time so we can work together to enable Manchester's translational research projects progress towards innovations and treatments that impact healthcare locally, nationally and internationally.

We're proud to say we're launching the network with 28 groups, but we're sure there are many more heroes of research support – if you're interested in joining our network, or think there's a gap we need to fill – contact the team and let us know.

Translation Manchester

How do you support researchers in Manchester?

The University of Manchester was recently awarded Wellcome Trust funding in the form of an Institutional Translational Partnership Award (ITPA), one of only 6 in the world, to undertake a two- year pilot scheme, aimed at building better links between science, technology and innovation by removing barriers between disciplines and making it easier to take the first translational step. Through this funding, we established Translation Manchester, which is run by our two Translational Research Facilitators (TRFs), Drs Laura Ajram and Andrea Short.

We help researchers by:

- ▶ Ensuring the translatability of ongoing projects (at all stages of the translational pathway)
- ▶ Forging new and productive connections between academic researchers and the clinical workforce
- ▶ Raising awareness of translational research at the UoM and associated Greater Manchester NHS Trusts
- ▶ Supporting investigators to overcome 'blockades' to translational research

We also manage translational funding schemes such as 'Projects for Translation (P4T)' and 'Access to Expertise (A2E)', which support ongoing research projects that have reached translational bottlenecks.



Translation Manchester

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

Whenever you have reached a bottleneck that is preventing you from progressing your translational research project. This could be anything from needing a connection in the NHS or if you're having trouble finding the right person to collaborate with, to queries about translational funding and access to biological samples/tissue. Our TRFs are also available for discussions with researchers conducting basic research, should they wish to translate their findings.

Contact

translation@manchester.ac.uk or contact our TRFs directly:

laura.ajram@manchester.ac.uk
0161 509 3867 or 07768 805 281

andrea.short@manchester.ac.uk
0161 509 3861 or 07880 480 415

www.manchester.ac.uk/translational-research

Twitter: @Translation_Mcr

Strategic Funding

How do you support researchers in Manchester?

We work closely with our academic community to help members to develop and realise their full funding potential. Our primary goal is to provide a professional service aimed at supporting academic colleagues in the production and submission of ambitious, collaborative and multidisciplinary research and fellowship applications. We also aim to help build capacity and capability on areas of strategy priority for the faculty and this is especially true of translational research where it is often less than straightforward for an investigator to navigate the complexities of pulling the right team together and obtaining the right kind of funding for the right stage of their project. We can help identify funding schemes & opportunities, collaborative partners and support the development of project proposals. We also hold and administer the University's MRC confidence in concept funding which typically equates to ~£1.2m of pump-priming funding for early -stage translational work.

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

It depends on their requirements – but generally the sooner the better. Our Strategic Funding Managers (SFMs) are happy to discuss initial concepts and ideas, direct people to the most appropriate source of specialist advice (e.g. drug development, Research Design Service, Clinical Research Facilities, ethics etc) and help to project manage subsequent proposal development (subject to capacity). If you have an idea or a proposal you'd like to discuss further please get in touch.



Contact

For more information, please contact sft@manchester.ac.uk. University staff can see a full list of strategic funding contacts on the Faculty intranet (UoM login required).

Faculty Research Governance

How do you support researchers in Manchester?

The Faculty Research Governance Team (RGT) support researchers undertaking clinical and health related research in the NHS, particularly when applying for ethical or regulatory approvals. Acting on behalf of the University as Research Governance Sponsor, we work closely with University and Trust colleagues to provide practical guidance and advice as well as sign-post to other areas of expertise. The aim of all our activities are to ensure that researchers are clear on what they need to do and that they and the University meet the requirements associated with NHS research. We support staff and student researchers except where the research falls under the clinical trial regulations for investigational medicinal products or medical devices. Such clinical trials would fall under the remit of our colleagues in the University's Clinical Trial Team.

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

Researchers can seek advice and guidance at any stage during the project however; we find that most researchers benefit from our input at specific stages of their study. The Faculty RGT review and authorise all applications and amendments being submitted for NHS Ethics and/or HRA approval and so most researchers contact the RGT once they have a final draft of their application/amendment. We are also contacted before funding applications are submitted where the funder requires confirmation of sponsorship.

Contact

The Faculty RGT can be contacted via FBMHethics@manchester.ac.uk

Our webpages provide an overview of our processes and what needs to be considered when setting up a study in the NHS and also links to other key contacts both within and external to the University:

www.staffnet.manchester.ac.uk/bmh/research/ethics-and-regulatory-support/

Our Faculty Research Governance Pack contains key information for researchers setting up a University-sponsored study. The pack is regularly updated and contains current templates, standard answers for IRAS, FAQs etc. Details of how to book onto our regular Research Governance Clinics can also be found here. It can be downloaded from our sponsorship approval webpage.

Follow us on Twitter for regular updates @FBMH_ethics

For all clinical trial specific queries, please contact the Research Governance, Ethics and Integrity Manager (Clinical Trials):

Dr Mohammed Zubair
clinicaltrials@manchester.ac.uk
0161 275 2725 / 0161 275 2167

Business Engagement

How do you support researchers in Manchester?

We support a range of activities including strategic partnerships, research projects, consultancy, knowledge exchange, sharing facilities, professional development and recruiting talent.

The Business Engagement team aims to bridge the gap between academia and industry by facilitating interactions that will be lead to mutual benefit.

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

The Business Engagement Team is always keen to understand the research that is being undertaken at the University as this assists them in identifying potential collaborative opportunities. Please get in touch if you feel that your research or career can be enhanced or progressed through working with industry, if you are about to engage with an industry partner, or if you would like to know about industry/academic collaborative opportunities.



Contact

Business Engagement Manager for the Faculty of Biology, Medicine and Health (Interim Lead) - Saq Rasul. Tel: 07920 471453, email: saqab.rasul@manchester.ac.uk

The allocated Business Engagement Officers for each division within the Faculty of Biology, Medicine and Health can be found here:
<http://documents.manchester.ac.uk/display.aspx?DocID=29220>

Policy@Manchester

How do you support researchers in Manchester?

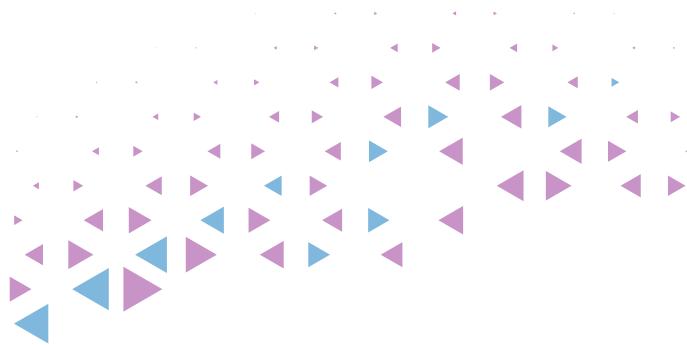
Policy@Manchester can identify audiences in the local, regional, and national policy world who may be interested in, or able to make good use of, your evidence. We facilitate correspondence and introductions between researchers and policymakers, and proactively search for opportunities for our researchers to make contributions to government, parliament, and wider policy debates.

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

At any point, but the earlier, the better! We can advise on potential policy impacts from the planning phases onwards, and can arrange for promotions and events that tie-in to final outputs. We can also be included in 'Pathways To Impact" sections of grant applications for future projects as a tailored policy support service that comes at no extra cost to funders.



The University of Manchester



Contact

For general enquiries: policy@manchester.ac.uk

For researchers associated with FBMH:

Craig Whittall, Policy@Manchester contact for FBMH
craig.whittall@manchester.ac.uk
0161 275 0587

Research Impact

How do you support researchers in Manchester?

Impact is the benefit research has (or has the potential to achieve) for any non-academic audience, be they industrial, governmental or the general public. The cross-university team of Impact Officers support researchers in planning and realising the impact of their research. We can help with the impact sections of grant applications, evaluating impact, gathering evidence of impact, engaging external stakeholders, communicating impact and formulating REF impact cases. We work closely with a range of research support functions across the university and can help to signpost researchers accordingly.

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

We can be approached at any time to discuss the benefits of demonstrating impact from your research and how to achieve this. We can provide the best support if researchers get in touch as soon as they begin to plan a grant application. We can provide examples and detailed feedback on the impact sections of grant applications, but planning for impact often has major implications for the grant as a whole.



The University of Manchester

Contact

FBMH

School of Biological Sciences -
deborah.bentley@manchester.ac.uk, ext 55465

School of Health Sciences -
denise.davidson@manchester.ac.uk, ext 60528

School of Medical Sciences -
lauren.tempelman@manchester.ac.uk, ext 57657

Or learn more at our [staffnet](#) page.

FSE

darren.clement@manchester.ac.uk, ext 50330 or 65337
christopher.roberts-2@manchester.ac.uk, ext 50330 or 65337
natalie.theodoulou@manchester.ac.uk, ext 50330 or 65337

Or learn more at our [staffnet](#) page.

Manchester: Improving Medicine with Innovation and Technology

How do you support researchers in Manchester?

MIMIT (Manchester: Improving Medicine with Innovation and Technology) supports researchers by taking their observations regarding unmet needs within healthcare and facilitating partnerships, collaboration and funding to enable practical solutions to be found to solve these problems.

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

Researchers should approach MIMIT whenever they feel they have found an unmet need within healthcare – this may be an initial idea that requires partnership with specific expertise or knowledge to take it to research stage or the outcome of a research project that now requires practical application.



Contact

Researchers can contact us via our website www.mimit.org.uk or by emailing mimit@manchester.ac.uk

Manchester Molecular Pathology Innovation Centre (MMPathIC)

How do you support researchers in Manchester?

MMPathIC provides an environment to facilitate the translation of stratified medicine and biomarker research into usable tests that can be implemented within the NHS.

Delivering novel diagnostics and molecular pathology tests to the clinic or market involves a series of steps, forming the development pathway, to establish the analytical accuracy, clinical and cost effectiveness, and clinical utility of a novel marker. MMPathIC works with researchers and companies who are at different steps of this pathway.

The National Institute for Health and Clinical Excellence evaluates medical technologies and diagnostics, and makes recommendations as to whether they should be used in the NHS. A key assessment criterion for a new technology is its value proposition. The value proposition asks whether the new technology does the same thing at a lower cost, or if it is better for the same price. To ensure the greatest likelihood of achieving MMPathIC's vision of delivering new tests to the clinic, all potential projects are evaluated for their likely value proposition. Within the MMPathIC pipeline approach this is evaluated at the first stages as, without fulfilling this, a new product is unlikely to be adopted by the NHS.



The University of Manchester

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

MMPathIC offers a clear line of site from discovery and evaluation of novel biomarkers, through to implementation of diagnostics and related technologies into the NHS. Therefore, researchers should approach MMPathIC at any stage of their research project so to assess where the novel diagnostic or molecular pathology test fits within the development pathway.

Contact

mmopathic@manchester.ac.uk

+44 (0)161 306 5334

Twitter: @MMPathIC

www.manchester.ac.uk/mmpathic

Mailing list:
<http://www.biomarkers.manchester.ac.uk/connect/contact-us/form/>

Stoller Biomarker Discovery Centre

How do you support researchers in Manchester?

The Stoller Biomarker Discovery Centre (SBDC) is part of The University of Manchester and is funded by the Medical Research Council, a philanthropic donation from the Stoller Charitable Trust, and developed in partnership with SCIEX. With 15 high-end mass spectrometers, the Centre is the biggest clinical proteomics facility in the world.

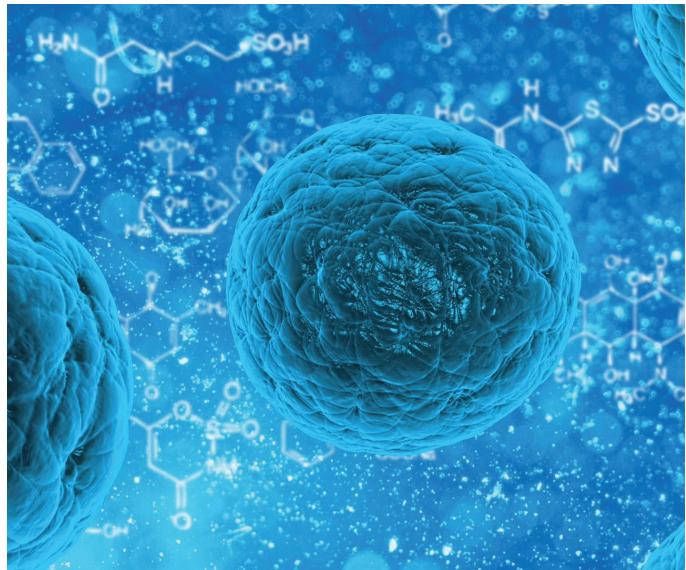
At SBDC, our researchers help to industrialise the process of identifying biomarkers and aid in the translation of biomarkers into the clinical lab. We aim to find protein markers in the blood that could be used to stop patients being given treatments which won't improve their condition. These markers will be developed to ensure doctors can prescribe the right treatment for the right patient as early as possible.

We also find new targets for drugs in specific diseases, such as chronic myeloid leukaemia and markers for the earlier detection of ovarian cancer – crucial in starting early treatment to save lives. Work to identify new biomarkers for diseases such as arthritis, cardiovascular, Alzheimer's and psoriasis is also being advanced.

Academics and clinicians can access infrastructure at SBDC for cutting edge technologies and methodological expertise to further biomarker discovery or biomarker/ diagnostic development projects.

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

Researchers should approach the Centre at any stage in their research project as co-localisation of SBDC with MMPathIC creates an ecosystem for biomarker research, with access to an end-to-end pipeline from discovery through to clinical translation.



Contact

tony.whetton@manchester.ac.uk

Twitter: @SBioDC

www.manchester.ac.uk/sbdc

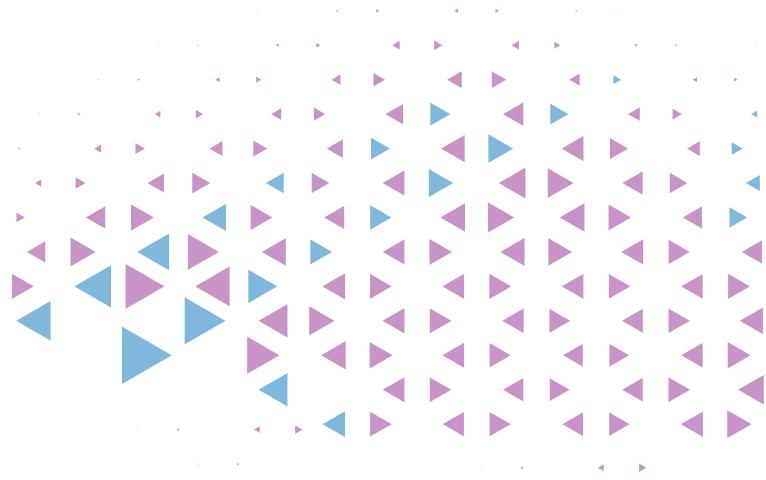
Diagnostics and Technology Accelerator (DiTA)

How do you support researchers in Manchester?

Manchester University NHS Foundation Trust (MFT) Diagnostics and Technology Accelerator (DiTA) initiative is led by a diverse multidisciplinary team of clinicians and methodologists, directed by Professor Rick Body, Professor and Honorary Consultant in Emergency Medicine, to catalyse the generation of evidence for commercially supplied in vitro diagnostics and medical technology. It is an exciting opportunity to bring together patients, clinicians, researchers, commissioners and industry to generate the research evidence required to fast-track new devices and technologies into clinical practice. For clinicians and researchers, DiTA offers the opportunity to evaluate the latest IVD and technology innovations, leading to early adoption of those which are shown to potentially transform patient care, and real world research impact through contributing to industry-related projects.

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

Researchers are welcome to get in touch at any point in their own development pathway, or for a scoping discussion to explore opportunities



Contact

Fill in the enquiry form on our website <https://research.cmft.nhs.uk/partnering/dita> or email dita@mft.nhs.uk

Research Design Service North West

How do you support researchers in Manchester?

We will support anyone applying to a national (or international) funding body in open, peer-reviewed competition to undertake applied health or social care research.

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

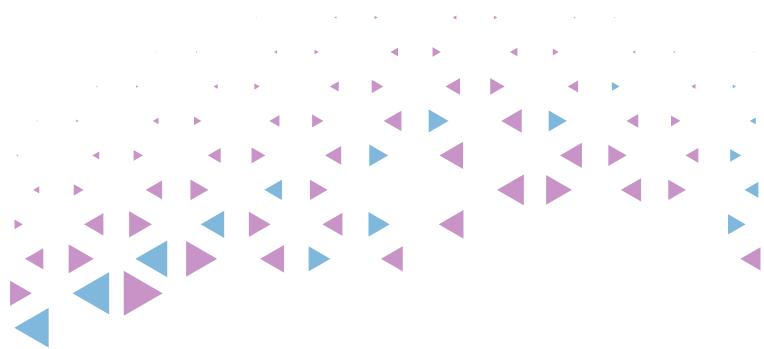
The earlier the better! We will work from the earliest ideas to help researchers to build a team that includes all necessary disciplines, including patients, the public, scientists, clinicians and methodologists. We will also review rejected applications, or those with conditional funding approvals, to help researchers to improve them.

The support available includes all aspects of research design and conduct including:

- ▶ Formulating research questions
- ▶ Research design for quantitative studies – including advice on randomised controlled trials and encompassing ethical issues
- ▶ Research design for qualitative studies – on the range of approaches from ethnographic to interview-based techniques, including appropriate methods and analytical strategies.
- ▶ Identifying and applying to appropriate funding sources
- ▶ Contacting appropriate collaborators in research – in universities and in the NHS including both researchers and practitioners, and embracing patients, patient representatives and the public at all stages in formulating research questions, designing, carrying out and acting on research.
- ▶ Advising on the interpretation of feedback from funding committees



**National Institute for
Health Research**



Contact

Follow the 'Request advice' tab from <https://www.rds-nw.nihr.ac.uk/>

Cleanroom Facility

How do you support researchers in Manchester?

Supporting researchers with the ability to translate their work from basic studies and pre-clinical work, to clinical trials, by providing the capacity to generate clinical grade Investigational Medicinal Products, Advanced Therapy Medicinal Products and Specials; support is offered for:

- ▶ Technology Transfer - a logical procedure that controls the transfer of any process together with its documentation and professional expertise between development and manufacture.
- ▶ Scale Up – increase in batch size from research laboratory to small scale manufacture for a clinical trial to full size commercial manufacture (this step would be with a commercial manufacturing partner)
- ▶ Process Validation - collection and evaluation of data, from the process design stage through commercial production, which establishes scientific evidence that a process is capable of consistently delivering quality product.
- ▶ GMP Training/Validation for Research Staff – Research staff are trained and validated to work in the Cleanroom Facility
- ▶ GMP support in Cleanroom, e.g. cleaning and monitoring support, second person for checking
- ▶ Production of GMP Documentation, e.g. Protocols, SOPs, Batch Manufacturing Records, Labels etc
- ▶ Incorporation of GMP documents into Cleanroom Facility Quality Management System
- ▶ Review of/Input into Regulatory Documentation for GMP content, e.g. Clinical Trial Protocol, Investigational Medicinal Product Dossier (IMPD), Technical Dossier for Medical Devices

When not in use by University of Manchester researchers, the facility is also available to other researchers, clinicians, commercial companies and other organisations who wish to collaborate with the university.

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

A researcher should approach the Cleanroom Facility as early as possible, definitely before submitting any grant application

Contact

Researchers can contact
Joan Benson, joan.benson@manchester.ac.uk, 0161-275-7436 or
Professor Sue Kimber, sue.kimber@manchester.ac.uk, 0161-275-6773

Manchester Institute for Collaborative Research on Ageing (MICRA)

How do you support researchers in Manchester?

We support researchers by providing:

- ▶ Assistance with finding potential collaborators within the University
- ▶ Assistance finding and accessing potential non-academic stakeholders, including support to secure statements of support, identifying potential dissemination and impact avenues, and support for recruitment of older people and older people's groups for research projects
- ▶ Assistance with text for grant applications regarding culture, impact and dissemination
- ▶ Assistance with finding peer reviewers and non-academic reviewers for grant proposals
- ▶ MICRA seminars or events to showcase your research
- ▶ Collaborate with researchers to produce materials such as information sheets or key findings sheets, project pages on the web, news stories, tweets, and dissemination via our regular newsletter to 2,000+ stakeholders
- ▶ Support for research groups in ageing research through assistance with connecting researchers together and providing some administrative support such as room bookings
- ▶ MICRA can be formally costed into research bids for administration, dissemination and impact work

We also offer an annual seedcorn funding programme for cross-disciplinary ageing research, which has had notable success in follow-on research programmes and outputs.



The University of Manchester
Institute for Collaborative
Research on Ageing

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

Researchers can approach MICRA at any point in their project (before, during and after).

We invite all involved in ageing research at the University of Manchester (current, past, or potentially in the future) to become Affiliate Members of MICRA (see website for more details).

Contact

We encourage researchers at any stage in their careers to connect with us at micra@manchester.ac.uk

For further information about the team, the Institute's aims as well as details of current and past research projects, visit our website: www.micra.manchester.ac.uk

Cell and Gene Therapy Catapult

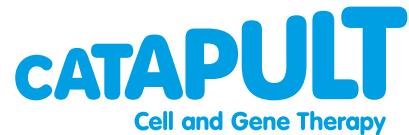
How do you support researchers in Manchester?

Many companies in the cell and gene therapy industry start in academia, which is why we are actively seeking to work with researchers in the field. We have formed partnerships with many academic institutions across the UK, giving them access to our state-of-the-art development and viral vector laboratories and to our in-house experts. This has included winning grant funding from different sources. If you feel that a research project you are working on addresses an unmet need in the field of cell and gene therapy, we would be interested to hear from you.

We'll work with you to accelerate your projects, helping your cell and gene therapies to be safer, more effective, scalable and affordable. We make it our job to stay at the forefront of the latest innovations in cell and gene therapies, so that we're ready to help, whenever you might need us.

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

We have a range of approaches that can help tackle the challenges you might face in the development of cell and gene therapies. Along with our state-of-the-art facilities, our most unique asset is our expertise in developing a wide range of cell and gene therapies. Awareness of the challenges that your therapy will face from an early stage in its development will allow you to streamline your development pathway and optimise the use of grant funding and time.



Contact

You can find out more about our capabilities, read case studies and contact us at www.ct.catapult.org.uk, or email Dr Lee Dunham lee.dunham@ct.catapult.org.uk

Centre for Health Informatics

How do you support researchers in Manchester?

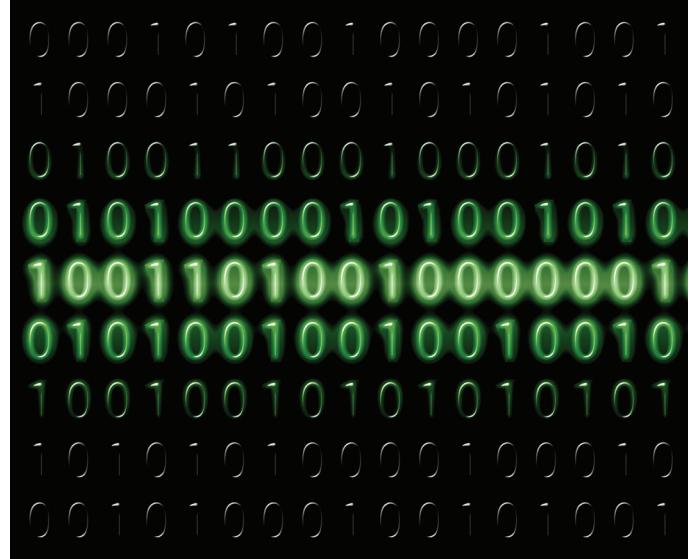
The Centre for Health Informatics is multi-disciplinary by design and encourages diversity and collaboration to enhance research outputs. We use a team science model, supporting reward and recognition of input and impact across researchers, technical and professional staff. Capacity building, education and training are deeply embedded in our approach, with pastoral and skill development highly supported through seminars series, journal clubs, topic-based networks and access to leaders in their fields. We also recognise the importance of demonstrating impact, and encourage and support external communications and publicity through multi-media platforms.

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

As early as possible! We are always very interested to hear from potential new collaborators – our health informatics group is, by design trans/multi/inter-disciplinary (incl. clinicians; GP, statisticians, computer scientists, software engineers, information managers...) and is keen to explore opportunities.



The University of Manchester

A large grid of binary code (0s and 1s) arranged in 10 rows and 10 columns, set against a black background. The binary digits are in white, with the '1's having a slight green glow.

Contact

To get in touch, contact ruth.norris@manchester.ac.uk

UMIP

How do you support researchers in Manchester?

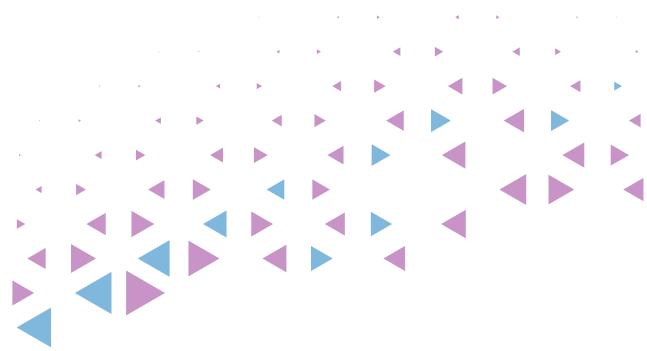
UMIP is a division of UMI³ Limited which is The University of Manchester's agent for intellectual property (IP) commercialisation. UMIP's Commercialisation Executives can help you develop your early stage ideas into sustainable businesses or license opportunities, to provide economic and social benefit to our communities, and generate funds that can be reinvested in the University.

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

Once you have an interesting observation, design, or set of results – and before publication or dissemination. We will be able to help identify any commercial and protectable elements, and work with you to identify the best route to realise their potential. We can also help with any questions relating to intellectual property you may have before beginning your research project.



The University of Manchester
UMIP®



Contact

Each of UMIP's Commercialisation Executives have experience across particular fields. You can contact the most appropriate team member here: <https://umip.com/our-team>

Trustech

How do you support researchers in Manchester?

TRUSTECH is an NHS organisation that improves health and social care through innovation. We work with NHS Trusts and their staff to capture, develop and introduce new technologies and services that will improve patient care and increase system efficiency.

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

We work with researchers at any stage of a research project, providing support and advice on things such as intellectual property, funding and collaboration, and helping to manage the outputs of research, including commercialisation when appropriate.

We enable staff working for our member NHS organisations to enhance their capacity and capability by accessing our expertise to help them to deliver their projects.



TRUSTECH
THE NHS INNOVATION EXPERTS



Contact

www.trustech.org.uk
innovations@trustech.org.uk
0161 701 5764

Research Programme Managers' Network

How do you support researchers in Manchester?

The Research Programme Managers' Network (RPMN) was set up in 2013 to provide peer support to research programme and project managers working in health and social care in both NHS and university settings. The network meets twice a year and offers training sessions to its members which enable us to build capacity and capability by developing existing staff within Manchester. Researchers are able to benefit from the wealth of experience our network members have and we offer advice, training and support often within their respective organisations. The RPMN forum can also be used to troubleshoot any questions that arise.

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

The RPMN offers peer support and shares a wealth of experience with its members. Network members can contact one of the co-chairs and ask questions or seek advice from the whole network – this has been very successful in the past and we ensure the learning generated is shared across the network so others can benefit. RPMN members and researchers can approach us for support at any time before, during or after their project.



The University of Manchester

Contact

Contact us by emailing
charlotte.stockton-powdrell@manchester.ac.uk or
hayley.brooks@mft.nhs.uk
or through our Twitter account @ResearchPMN_NW

Health and Implementation, Health Innovation Manchester

How do you support researchers in Manchester?

We support researchers who have an innovation whether it be research, clinical or educational to realise adoption and spread

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

When they want to test their innovation, either as pilot or fully go to adoption and spread



Contact

www.healthinnovationmanchester.com
cath.barrow@healthinnovationmanchester.com
jonathan.massey@healthinnovationmanchester.com

Manchester University NHS Foundation Trust (MFT) Biobank

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.



Manchester University
NHS Foundation Trust



Contact

Jay Brown (Biobank Manager)
0161 7011890
jay.brown@mft.nhs.uk

The Manchester Cancer Research Centre (MCRC) Biobank

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.



The University of Manchester
Manchester Cancer Research Centre



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
+44 (0) 161 918 2110

Manchester Allergy, Respiratory and Thoracic Surgery (ManARTS) Biobank

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.



Manchester University
NHS Foundation Trust



Contact

Helen Francis, Biobank Manager.
0161 291 2847

helen.c.francis@manchester.ac.uk

Jenny Hankinson
0161 275 5426
jenny.hankinson@manchester.ac.uk

Salford Biorepository

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 Foundation Trust.

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.

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.



Northern Care Alliance
NHS GROUP

Salford | Oldham | bury | Rochdale | North Manchester

Contact

Dr Rob Oliver, Laboratory Lead
0161 206 3204

rob.oliver@manchester.ac.uk

Julie Oxton, Biorepository Manager
0161 206 5415
julie.oxton@manchester.ac.uk

NIHR Manchester Biomedical Research Centre (BRC)

How do you support researchers in Manchester?

The NIHR Manchester Biomedical Research Centre (BRC) is the largest BRC outside of the South East and is funded to drive forward basic science discovery from the first translational gap into proof of concept.

Our research in experimental medicine focuses on Cancer (prevention and detection, advanced radiotherapy and precision medicine), Inflammation (musculoskeletal disease, respiratory medicine and dermatology) and Regenerative Medicine (musculoskeletal disease and hearing health), underpinned by cross-cutting themes including our biomarkers platform, informatics and data sciences and services to drive rapid translation. We also are home to a nationally leading patient and public involvement and engagement strategy, a wide range of training opportunities and strong industry engagement.

The BRC team is in a position to work with other researchers working across the experimental medicine field to collaborate, signpost to relevant clinical specialists to share expertise and drive new research ideas and areas forward.

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

Ideally, the BRC would be keen to hear from researchers as soon as possible to enable us to appropriately input into projects/study design and support researchers to take ideas forward, but we are happy to work with anyone at any stage in the translational pipeline.



National Institute for Health Research

The NIHR Manchester BRC: 'driving health improvements and lasting change for all through creative, inclusive and pro-active research that identified and bridges gaps between new discoveries and individualised care'

Contact

Lisa Miles – BRC Operations Manager
+44(0) 161 701 2669
lisa.miles@mft.nhs.uk

www.manchesterbrc.nihr.ac.uk/
Twitter: @ManchesterBRC

NIHR Manchester Clinical Research Facility

How do you support researchers in Manchester?

We deliver early phase studies in adults and children across all therapeutic areas and all cancer types.

Manchester CRF comprises four dedicated experimental medicine research units across Greater Manchester, hosting cutting-edge technology. Our hospital locations at The Christie NHS Foundation Trust, Manchester Royal Infirmary (MRI), Royal Manchester Children's Hospital (RMCH) and Wythenshawe Hospital mean we can appropriately manage patient safety and deliver high intensity studies.

With a diverse Greater Manchester population of 2.8M our research partners benefit from the large potential for recruitment.

We deliver complex, high quality experimental medicine studies to time and target and drive faster translation from bench to bedside. Our experienced research staff, including world-leading researchers can advise on all aspects of study design and delivery.

Twenty four hour, seven day-a-week inpatient and outpatient services are available.

Partnering with us gives you access to:

- ▶ 34 beds
- ▶ 31 chairs
- ▶ 25 clinic rooms
- ▶ 3 MRI scanners
- ▶ 24h pre-analytical laboratory testing
- ▶ Proton Beam

We believe that collaboration with industry, universities, hospitals and others plays an essential role in improving care for the patients we serve through research.



**National Institute for
Health Research**



Contact

Helen Pidd, Operational Director
helen.pidd@mft.nhs.uk

<https://research.cmft.nhs.uk/facilities-services/clinical-research-facility>

Manchester Clinical Trials Unit

Our expertise:

We aim to collaborate and conduct high-quality clinical research that leads to individual and societal benefit.

Our team of 55 staff have expertise in the design, management, analysis and delivery of multi-centre trials. These studies influence positive developments in clinical practice.

Manchester CTU (formerly MAHSC-CTU) is registered by the UK Clinical Research Collaboration (UKCRC) and receives funding from NIHR, CRUK, The University of Manchester and Health Innovation Manchester.

We are currently managing a portfolio of 39 trials, totalling £18m of grant funding.

What is a CTU?

Clinical trials units (CTU) are specialised biomedical research units that design, centrally coordinate and analyse clinical trials and other studies. We will work with you to develop your application and trial design, and can provide support on: study design; statistics and methodology; protocol development; trial management; data management (using our Electronic Data Capture Database); quality and regulatory assurance.



The University of Manchester

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

We recommend that you contact us at the earliest stage of formulating your study design to start discussions. This should also be at least 12 weeks in advance of your grant submission deadline. This allows us to provide appropriate advice, liaise with the study sponsor, and develop an accurate resource plan and costing of our work.

Contact

If you have any initial enquiries regarding a collaboration with us, please email our Director, Professor Kevin O'Brien,
kevin.o'brien@manchester.ac.uk

If you wish to request Manchester CTU support, please complete our request form and submit to CTUsupport@manchester.ac.uk.

Downloadable study support forms and further information can be found on our website: www.bmh.manchester.ac.uk/manchester-ctu/

Rare Diseases, Manchester University NHS Foundation Trust

How do you support researchers in Manchester?

Manchester University NHS Foundation Trust has recently appointed a new Rare Diseases Project Manager who will support researchers by signposting their rare disease cohorts to external stakeholders to create opportunities to grow rare diseases research. They facilitate conversations with external stakeholders and also link researchers to other supporting teams within our Manchester network. They will also provide information on funding streams relevant to rare diseases research.

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

At the beginning of the project or research proposal, or at any stage, relating to rare diseases. The sooner the better!



Contact

Stephanie Yau, Rare Diseases Project Manager

stephanie.yau@mft.nhs.uk
0161 276 5931

Research and Innovation, Manchester University NHS Foundation Trust

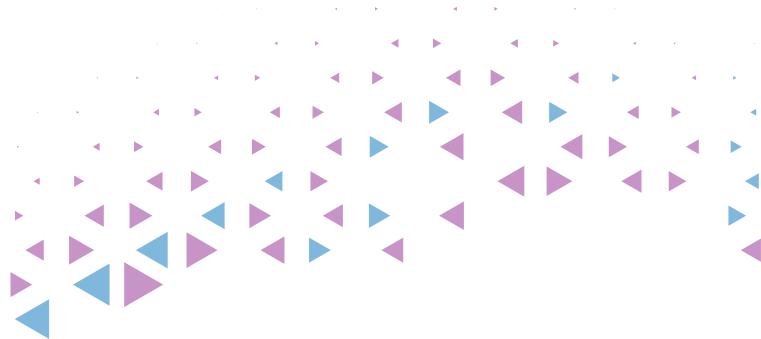
How do you support researchers in Manchester?

MFT Hospital Research and Innovation Managers (HRIMs) provide advice and support in:

- ▶ Planning research - the approval process, costing, collaboration, funding schemes, research resources/networks
- ▶ Seeking Trust authorisation and submission of grant applications
- ▶ Research finance
- ▶ How research performance is assessed and how to improve research performance
- ▶ Recruitment and management of research staff.

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

It depends on their requirements – generally the sooner the better. If MFT are the lead on a grant application, then the concept stage is ideal so that HRIMs can help steer the researcher to resources such as the Research Design Service, as well as advising on requirements for study sponsorship and finance (such as AcoRD).

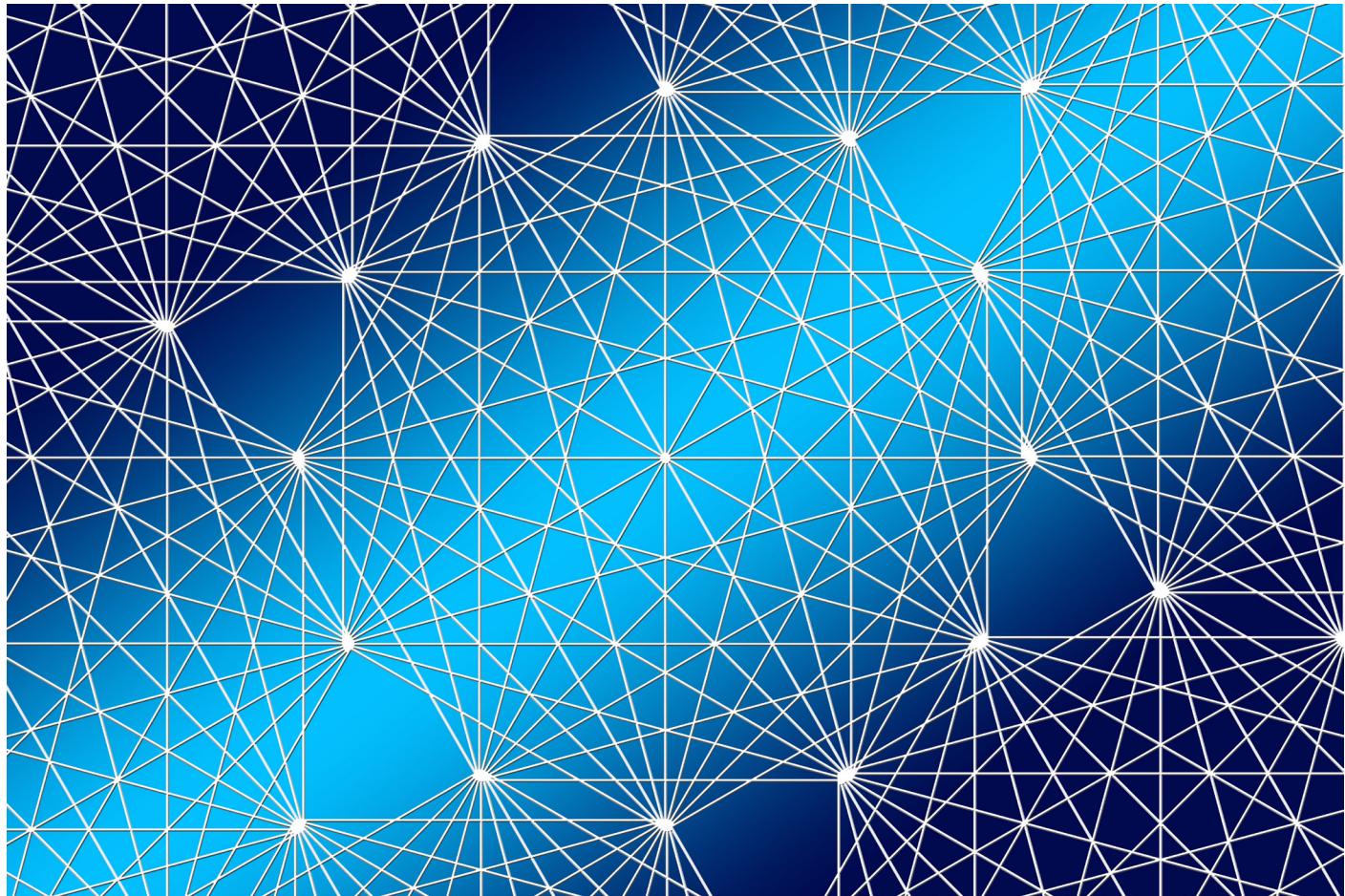


Contact

Kate Barugh, Hospital Research and Innovation Manager

kate.barugh@mft.nhs.uk

0161 2766201



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

Glossary

One significant hurdle to translation is the sheer number of TLAs (Three Letter Acronyms) we use in daily conversation!

Here is a list of the ones we use in the network, to clear things up...

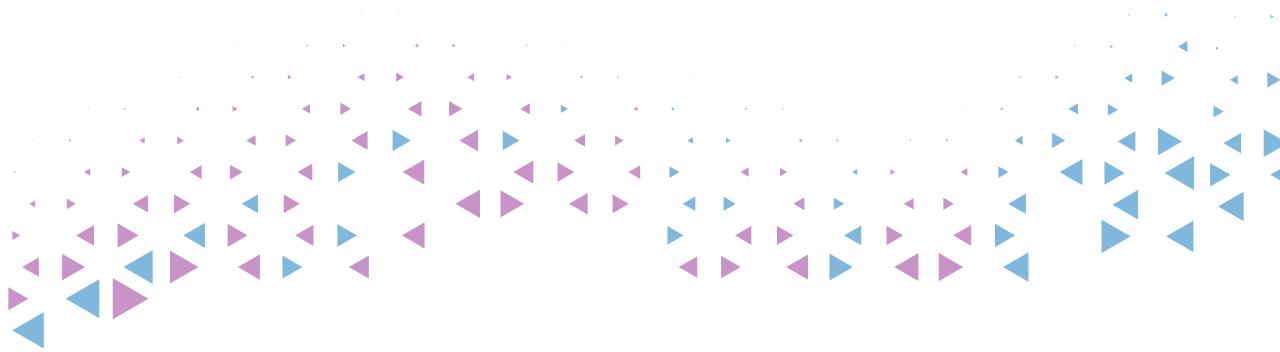
A2E	Access to Expertise	MFT	Manchester University NHS Foundation Trust
ATMP	Advanced Therapy Medicinal Product	MHRA	Medicines and Healthcare Products Regulatory Agency
BE	Business Engagement	MICRA	Manchester Institute for Collaborative Research on Ageing
BRG	Biomedical Research Centre	MIMIT	Manchester: Improving Medicine with Innovation and Technology
CFT	Christie NHS Foundation Trust	MMPathIC	Manchester Molecular Pathology Innovation Centre
CHI	Centre for Health Informatics	MRC	Medicines Research Council
CRF	Clinical Research Facility	MRI	Manchester Royal Infirmary
CRUK	Cancer Research UK	MRI	Magnetic Resonance Imaging
CTU	Clinical Trials Unit	NHS	National Health Service
DiTA	Diagnostics and Technology Accelerator	NICE	National Institute for Health and Clinical Excellence
FBMH	Faculty of Biology, Medicine and Health	NIHR	National Institute for Health Research
FH	Faculty of Humanities	P4T	Projects for Translation
FRGT	Faculty Research Governance Team	PAT	Pennine Acute Hospitals NHS Foundation Trust
FSE	Faculty of Science and Engineering	PI	Principle Investigator
GM	Greater Manchester	QMS	Quality Management System
GMP	Good Manufacturing Practice	RDS	Research Design Service
HInM	Health Innovation Manchester	R&D	Research and Development
HRA	Health Research Authority	R&I	Research and Innovation
HRIM	Hospital Research and Innovation Manager	REF	Research Excellence Framework
HTA	Human Tissue Authority	RMCH	Royal Manchester Children's Hospital
IMP	Investigational Medicinal Product	RPMN	Research Programme Managers' Network
IMPD	Investigational Medicinal Product Dossier	SBDC	Stoller Biomarker Discovery Centre
ITPA	Institutional Translational Partnership Award	SFM	Strategic Funding Manager
IVD	In Vitro Diagnostic	SFT	Strategic Funding Team
LIMS	Laboratory Information Management System	SOP	Standard Operating Procedure
ManARTS	Manchester Allergy, Respiratory and Thoracic Surgery	SRFT	Salford Royal NHS Foundation Trust
MAHSC	Manchester Academic Health Science Centre	TRF	Translational Research Facilitator
MCRC	Manchester Cancer Research Centre	UHSM	University Hospital of South Manchester NHS Foundation Trust
		UKCRC	UK Clinical Research Collaboration
		UoM	The University of Manchester
		UMIP	The University of Manchester Intellectual Property

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

Email us at translation@manchester.ac.uk

Visit our website at www.manchester.ac.uk/translational-research

Tweet us @Translation_Mcr





Contact us

translation@manchester.ac.uk
www.manchester.ac.uk/translational-research
[@Translation_Mcr](https://twitter.com/Translation_Mcr)