

# Surgical MedTech Cooperative NEWSLETTER

January 2023

Edition 18

Welcome to the latest issue our quarterly newsletters. We are one of 11 national MICs funded by the National Institute for Health Research. Based in Leeds, we are a national network of clinicians, scientists, industry, patients and public working together to advance the care of patients with Colorectal, Vascular, Neurosurgery & HPB diseases. For more information on what we do, please contact [surgicalmic@leeds.ac.uk](mailto:surgicalmic@leeds.ac.uk)

## [Hope4Liver Trial](#)

BBC Click visited Leeds Teaching Hospital NHS Trust (LTHT) in November to film a demonstration of a new non-invasive ultrasound technology that could change the way tumours are treated. The HistoSonics system is used for the treatment of primary or metastatic tumours located in the liver. The trial at LTHT is being led by Dr Tze Min Wah, Senior Consultant Radiologist in Diagnostic & Interventional Radiology



Watch the video [here .....](#)

## [Research Priorities in Diabetic Foot](#)

More research is needed to help improve treatment and delivery of care for people with vascular conditions but funding is limited. The Vascular Society of Great Britain and Ireland (VSGBI) ran a Priority Setting Process (PSP) to find out the most important research questions. This helps researchers to better focus their work and helps funders to direct their support to projects that aim to answer these important questions. This paper presents the results of this process, focusing on research priorities related to diabetic foot problems. [Read more.....](#)

## RAIS Project –C2I Award Invitation

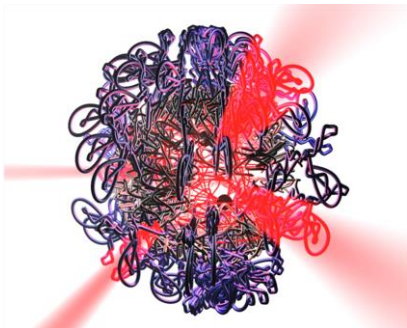
Congratulation to Dr Peter Culmer, Associate Professor, School of Mechanical Engineering, University of Leeds and the whole team who have reached the shortlist for The Engineers 2022 Collaborate to Innovate (C2I) Awards for their work to develop and translate a new Retractor for Abdominal Insufflation-less Surgery (RAIS) device for global surgery. Read more on project [here.....](#)

The shortlist for The Engineer's seventh annual C2I Awards is an inspiring reminder of both the UK's depth of engineering talent and the role that engineers are playing in addressing some of the biggest challenges we face. See full shortlist [here.....](#)



## How Can CPNs Revolutionize Medical Diagnostics

Stream Bio is a brand new, novel fluorescent reagent for the life science market leveraging conjugated polymer nanoparticles (CPNs). At MEDICA 2022, NewsMedical spoke with Andy Chaloner CEO about Stream Bio's technologies that have the potential to revolutionize the medical and life sciences sectors, from diagnostics to clinical imaging. Read more [here.....](#)



## Public & Research Involvement Forum

Our Public Research Involvement Forums take the form of virtual coffee/tea sessions and the aim is to create a space for members of the public interested in medical and clinical research to come together and have a chat. Each Forum is hosted by a member of the public that is currently involved in medical technology research, and they loosely steer the conversation in a broad theme.

What is the purpose of these events?

We would like to increase the awareness and understanding of what patients, carers and members of the public can contribute to the development of medical devices, and to how they are tested to make sure they are safe and they work.

We would also like to make sure that medical device developers make technology that is inclusive, and will deliver the same positive outcomes for all patients; as well as technology that is sustainable. We can only achieve this by having a large group of patient and public contributors to support us.

Register for upcoming events [here](#) .....

Missed any of our public and research involvement forum webinars, watch them [here](#).....



### Webinars Available on our YouTube Channel

We have held our first three webinars as part of our ongoing commitment to being inclusive, ensuring we reach as wide an audience as possible. You can watch these webinars at any time on our YouTube channel. <https://www.youtube.com/channel/UCj741Qkhgag9WxTop4MG3WA>

*Tackling Software as a Medical Device*

*Voice of the Customer in MedTech Development*

*Public Research Involvement Forum (4 videos)*

## Surgical MIC Toolkit

Our ability to support your technology is largely dependent on your stage on the translational pathway. Our objectives are to shorten the translational pathway for those solutions where it is possible, and to provide a real time example of the steps and questions that are important for medical technology development and the factors that are important for the NHS.

This toolkit should help you understand how the Surgical MIC can work with you and the outputs you can expect at each stage of your translational journey.

[Read more](#).....



## Upcoming Events

Wounds Research Industry Master Class  
Call for expression of interest

Medical Technology UK 2023  
Coventry 22-23<sup>rd</sup> March 2023

Innovation Summit Dublin  
Dublin 25-27<sup>th</sup> April 2023

Leading Healthcare Innovation Summit  
London 23<sup>rd</sup> May 2023

MedTech Innovation Expo  
Birmingham 7-8<sup>th</sup> June 2023

Society for Vascular Surgery 2023 Annual Meeting  
Maryland, USA 14-17<sup>th</sup> June 2023

EBME Exbo  
Coventry 28 – 29<sup>th</sup> June 2023

European Society for Vascular Surgery Annual Meeting  
Belfast 26-29<sup>th</sup> September 2023

SEHTA 2023 International MedTech Expo & Conference  
London 3<sup>rd</sup> November 2023

Save the Date  
IDEAL 2024 Conference  
Leeds March 2024 (TBC)

## Funding Collaborations

[NIHR Joint Industry call with i4i, EME and HTA – The development and evaluation of predictive algorithms using Artificial Intelligence \(AI\)](#)

[Surgical MedTech Co-operative Funding Competition 2021/22](#)

[Notice of Special Interest \(NOSI\): BRAIN Initiative: Translation of Groundbreaking Technologies from Early-stage Development through Early Clinical Study via Blueprint MedTech](#)

Closes 21 June 2024

[NIHR i4i FAST \(Funding At the Speed of Translation\) Awards Pilot Scheme – Rolling deadline Innovator Awards](#)

No time limits

[Pancreatic Cancer Scotland – Pump Priming Research Grants](#)

No time limits

[Efficacy and mechanism evaluation programme – fast-track scheme](#)

No deadline

[Healthcare Technologies: Call for Investigator-led Research Projects](#)

No deadline

[British Heart Foundation New Horizons Grants](#)

No deadline

[Ad-Venture Grant Funding for SMEs](#)

[Macmillan research grants scheme](#)

[Cardiovascular Catalyst Awards](#)

[Joint funding with the British Israel Research Academic Exchange](#)

[Cardiovascular Small Meetings & Events Funds](#)

[Pre-announcement: artificial intelligence innovation to accelerate health research](#)

Closing Date 28<sup>th</sup> March 2023

Talk to us if you would like academic or clinical input, patient and public involvement or some support with project coordination and management. Please allow sufficient time for this.

## Core team

Clinical Director: Professor David Jayne

Deputy Director: Mr Aaron Quyn

Vascular Theme Led: Professor Julian Scott

Hepatobiliary Theme Lead: Professor Giles Toogood

Scientific Director/ Nanotechnology Theme Lead: Professor Steve Evans

Robotics Lead: Professor Pietro Valdastri

Engineering Lead: Dr Peter Culmer

Programme Manager: Vee Mapunde

Project Manager: Roxane Dumitrache

Project Manager: Sheila Boyes