

Surgical MedTech Cooperative NEWSLETTER

January 2021

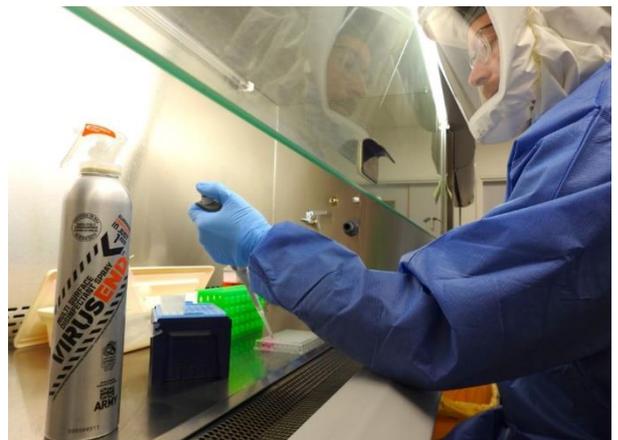
Edition 11

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

Virused disinfectant spray has been proven to kill coronavirus in just 60 seconds

We are delighted to be working in collaboration with the Army and Michael Pritchard MBE developer of a unique formula proven to be 99.99 per cent effective in killing SARS-CoV-2 - the virus that causes Covid-19. The spray is also undergoing clinical evaluation at the Leeds Teaching Hospitals NHS Trust in seven clinical environments including A&E, Covid positive and low risk wards, intensive care and operating theatres. If the clinical trials are successful, we hope that the technology will be made widely available to help protect NHS staff and patients.

The Army directly recommended collaborating with the health service and donated 2,000 sprays for this evaluation.



Dangoor Heattech Challenge 2020

We have joined forces with six other UK healthcare organisations who are focused on market access, adoption and scaling of innovations, they consist of 2 hospitals; 4 research bodies and 1 Innovation agency.

The aim of which is to build clinical, strategic and commercial partnerships between healthcare organisations in the North of England and Israeli start-ups in order to tackle the most urgent issues in the UK healthcare system.



Laser system could remove cancer with ultra-precision

Our project with Heriot Watt University on steerable lasers for precision cancer treatment featured on [BBC Scotland](#).

Heriot-Watt are developing a new laser system that they hope will help surgeons remove brain cancer precisely and safely.

Professor Jonathan Shephard has been given £1.2 million by the Engineering and Physical Sciences Research Council (EPSRC) to develop a new system that will help surgeons distinguish cancer cells in much better resolution, and remove them without damaging healthy surrounding tissue.

The new system will be based around ultrafast picosecond lasers, which deliver energy in a series of pulses that are one trillionth of a second long.

The team has already proved the concept works for colorectal cancers, and now are working with clinicians at the University of Leeds and Leeds Teaching Hospital NHS trust to develop the new system for brain cancers.



Super Connect for Good

Super Connect for Good is a National Tech for Good competition seeking to discover, super connect and support the best emerging tech startups and scale-ups that bring positive social change and impact to enhance people's lives through technology.

The Surgical MIC hosted and sponsored the MedTech stream. Applications were welcomed that applied to creating social change in any part of society including education, healthcare, local communities, public services and more through the following technologies:

- AI for Good
- EdTech
- MedTech
- HealthTech
- Smart Cities (including IoT, 5G, Intelligent Transport)
- GovTech





Launch of the Green Surgery Challenge

Calling all surgical healthcare professionals! Would you like to find solutions that transform surgical practice to become less harmful to the environment and build social sustainability?

The [Green Surgery Challenge 2021](#) is an opportunity for the UK's surgical community to:

- recognise the value of sustainable healthcare for surgical conditions
- share and promote ways of practising that are less harmful to the environment and our planet and build social sustainability
- continue to transform surgery for the future

The challenge will launch on 3rd February 2021 at an online event, hosted by the Royal College of Surgeons England with Ms Victoria Pegna, co-founder of the Sustainability in Surgery working group and the President of RCSEng, Professor Neil Mortensen. The event will include:

- an introduction to green surgery from Professor Mood Bhutta & Sustainable Surgery Fellow, Chantelle Rizan
- information on how to get involved in the challenge by Dr Olivia Bush, Clinical Programme Director at the Centre for Sustainable Healthcare
- Q & A

[Register today](#) to attend the launch event and join the challenge.

Green Surgery Challenge funders and partners acknowledgement snippet:

The Green Surgery Challenge is brought to you by the Centre for Sustainable Healthcare, with gold sponsorship from NIHR MedTech Co-operative in Surgical Technologies and Elemental Healthcare, silver sponsorship from Royal College of Surgeons England and Royal College of Surgeons Edinburgh, and partners, the Sustainable Healthcare Coalition and Brighton and Sussex Medical School.

Product and Process Innovation (PAPI)

Surgical MIC team has been invited to site on the review panel for MedTech applications.

The PAPI grant scheme is now open in the Leeds City Region. The project is here to help the regions small businesses develop innovative new products by providing grants for equipment.

Applications are made via an initial Expression of Interest form which gives an initial overview of your proposed project. These are reviewed by the project team for eligibility, and if accepted are developed into a full application.



Investor Ladder – University Roundtables

Investor Ladder will present a series of invite only roundtable events aimed at connecting industry, innovation and active investors together.

Each event will focus on a specific subject and will feature contributions from senior industry leaders in that space along with early stage businesses and investors. The roundtables will follow a specific format, covering the most relevant topics and allowing space for questions and networking.

Their first meeting on University spinout was held on 26th November 2020, with a MedTech/HealthTech event planned for Feb/Mar 2021.



Funding Success for Professor Bhavik Patel

Professor Patel, School of Pharmacy & Biomolecular Sciences, University of Brighton has been successful in securing £500k EPSRC Healthcare Technologies funding for their work in Drug-eluting in vivo probe to monitor age-related lower bowel dysfunction.

This is an exciting opportunity for the Surgical MIC to continue supporting the development of the anorectal probe and progress the work started by the EPSRC Incontinence Management and Prevention through Engineering and Sciences (IMPRESS) Network.

Upcoming Events

[Wounds Research Industry Master Class](#)

Call for expression of interest

[Launch of the Green Surgery Challenge](#)

Webinar 3rd February 2021 19:00 – 20:00

[Leeds NIHR Biomedical Research Seminar Series](#)

Virtual 2nd February 2021 at 19.00

[ASiT Annual Conference 2021](#)

Virtual 5-7th March 2021

[Medilink UK - Innovation Day 2021](#)

The Nottingham Belfry, 25th March 2021

[NHS Long Term Plan Conference 2021](#)

The Studio, Manchester 25th May 2021

[SEHTA 2021 International MedTech Expo & Conference](#)

Hilton London Tower Bridge Hotel, 25th June 2021

[MedTech Innovation Expo 2021](#)

NEC Birmingham 29th - 30th June 2021

[The Association of Coloproctology of Great Britain & Ireland \(ACPGBI\) 32nd Annual Meeting](#)

Harrogate Conference Centre, Harrogate 5th – 7th July 2021

[UGI Congress 2021](#)

Belfast 13th – 15th October 2021

SAVE THE DATE

Surgical MIC National Meeting

Date: November 2021 - TBC

Bournemouth

Registration via Eventbrite opening soon

Funding Collaborations

[BHF New Horizon Grant](#)

Closing Date 31st March 2021

[Health Technology Assessment Programme – Research Led](#)

Closing Date 5th May 2021

[Innovate UK Smart Grants January 2021](#)

Closing Date 26th May 2021

[Invention for innovation \(i4i\) product development awards – call 22](#)

Closing Date 9th June 2021

[Grow MedTech - Proof of Market](#)

Closing Date 31st December 2022

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

Closing date – no time limits

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 Valdastrì

Engineering Lead: Dr Peter Culmer

Programme Manager: Vee Mapunde

Project Manager: Roxane Dumitrache

Project Manager: Sheila Boyes