Welcome to the latest issue of 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 & HPB diseases. For more information on what we do, please contact surgicalmic@leeds.ac.uk.

Robot Navigates Tiny Ultrasound Pill Through Colon

While endoscopes give physicians a view into the interior of the GI tract, they are limited in the areas that they can reach and the imaging they can provide. Miniaturized imaging devices in the form of swallowable electronic pills have been around for a few years now. They move through the entirety of the GI tract, but there’s no way to focus their attention on a specific spot or to pause their movement.

Now, a collaboration of scientists from the U.S. and U.K. has developed an ingestible ultrasound imaging device that can be accurately moved around the colon using an external robot.

Honorary Degree Presented to Sir Norman Williams

Since 1904 the University of Leeds has conferred honorary awards on a host of individuals from the worlds of science, art, academia, industry, politics, medicine, entertainment and many other fields.

2019 sees the Chair of our steering committee Sir Norman Williams awarded a degree of Doctor of Medicine, *honoris causa*, which was presented by Professor David Jayne, Associate Dean of School of Medicine.
Research collaboration to drive new innovations in surgery

The Association of Surgeons of Great Britain and Ireland (ASGBI) is delighted to partner with the National Institute for Health Research (NIHR) Surgical MedTech Co-operative (Surgical MIC) to drive new innovations in medical devices, healthcare technologies, and technology dependent interventions that are translatable to the clinical setting to benefit patient care. Through the NIHR Surgical MedTech Co-operative (MIC), the ASGBI can provide its members’ and the wider surgical community with access to seed funding, academic support (biosensing, engineering, robotics, microfluidics, nanotechnology), consultation and advice to assist promising medical technology ideas from academia, industry, patients and the NHS through the technology development process towards commercialisation and patient benefit.

Hypothermic Oxygenated Perfusion HOPE Study – opens to recruitment

The HOPE study which aims to determine whether hypothermic oxygenated perfusion can help is our latest study to open in Leeds! Click here to find out more or contact Mr Magdy Attia (PI) or Dr Philipp Kron: 01132433144

Why? to see if machine perfusion of livers before transplantation is beneficial
What? the perfusion technique being used is a cold perfusion approach (10°C) with a highly oxygenated perfusion fluid
Who? 170 patients who undergo a liver transplantation for a severe liver disease.
**MedTech Foundation**

It is internship season now for the MedTech Foundation in Leeds and we have a range of interns from Engineering and Medicine. We had two successful grant applications to support internship related work from Translate MedTech and the British Medical Association Research Foundation. The students are working on novel sensing technologies for mechanical engineering and robotics as well as working on laparoscopic training devices. Stay tuned for student blog posts as they reach the end of their internship in the coming months.

In other news, the MedTech Foundation will be showcasing its work at the [GASOC Global MedTech Conference](#) on the 14th September in Leeds and the [Surgical MIC National Meeting](#) on the 19th November 2019 in Leeds, and all students and trainees are invited to register.

Finally, MedTech Foundation spokes are opening up in Leicester and Bristol ahead of the next academic year. If you would like to set a spoke up, or get involved, please get in touch!

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**Surgical MIC National Meeting**

Registration is now open for our national meeting. This year's theme is transformative technologies, we bring together clinicians, academics, scientists, industry partners, patients and the public to work together to advance patient care by accelerating new science and technologies into patient benefit. Previously we have attracted over 150 attendees.

Read the report from last year's meeting [here](#).

**Confirmed speakers include.**

Professor Gareth Loudon, Professor of Creativity at the Cardiff School of Art and Design and co-founder and Director of the Centre for Creativity Ltd.

Mr Sirko Pelzl, CEO and CTO ApoQlar MedicalVSI GmbH.

Mr Luigi Pugliese, Department of Surgery, Fondazione IRCCS Policlinico SanMatteo, Pavia, Italy.

Dr Andrew Sims, Head of the Northern Medical Physics and Clinical Engineering Department (NMPCE), Newcastle upon Tyne Hospitals NHS Foundation Trust

Don’t miss out! [Book Now](#)
Funding collaboration

Innovator Awards

No time limits

Pancreatic Cancer Scotland – Pump Priming Research Grants

Closing date – no time limits

Guts UK Development Grants

Closing Date 19th August 2019

Surgical MIC Incubator Packages for 2019/20

Applications to be reviewed on
10th September 2019
24th October 2019
5th December 2019

Surgical MIC Proof-of-Concept/Principle Funding

Closing Date 10th September 2019

Canada-UK Artificial Intelligence Initiative

Closing Date 12th September 2019

NIHR i4i Connect

Closing Date 11th September 2019

HTA Programme Researcher Led Evidence Synthesis Funding

Closing Date 11th September 2019

Enabling integrated diagnostics for early detection

Closing Date 23rd September 2019

NIHR and MRC Multi-morbidity funding opportunity

Closing Date 9th October 2019

BHF Translational Awards

Closing date 15th October 2019

EME Programme Precision Medicine

Closing date 6th November 2019

DT-TDS-05-2020: AI for Health Imaging

Closing Date 13th November 2019

Grow MedTech - Proof of Market

Closing Date 31st December 2022

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.
Upcoming Events

**IDEAL Conference 2019**
Trinity College, Oxford 13th September 2019

**Association of Upper Gastrointestinal Surgeons of Great Britain & Ireland**
ACC, Liverpool 25-27 September 2019

**Digi Health UK: The Future of Healthcare, Digital, Data and Technology**
Manchester Conference Centre 24th October 2019

**Surgical MIC National Meeting**
Cloth Hall Court, Leeds 19th November 2019

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
Biosensing Lead: Professor Paul Millner
Programme Manager: Vee Mapunde
Project Manager: Anita Blakeston
Project Manager: Sheila Boyes

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