

# NEWSLETTER

July 2019

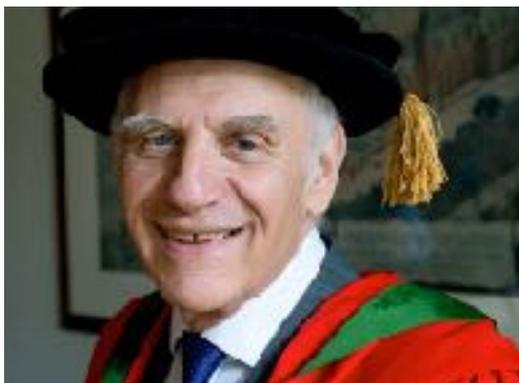
Edition 6

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 & HPB diseases. For more information on what we do, please contact [surgicalmic@leeds.ac.uk](mailto: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

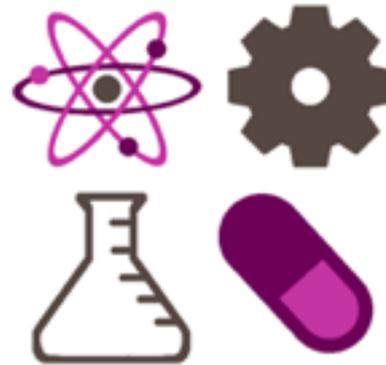
**Who?** 170 patients who undergo a liver transplantation for a severe liver disease.

## 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!



## 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 MedicalIVSI 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 19<sup>th</sup> August 2019***

Surgical MIC Incubator Packages for 2019/20

***Applications to be reviewed on***

***10<sup>th</sup> September 2019***

***24<sup>th</sup> October 2019***

***5<sup>th</sup> December 2019***

Surgical MIC Proof-of-Concept/Principle Funding

***Closing Date 10<sup>th</sup> September 2019***

Canada-UK Artificial Intelligence Initiative

***Closing Date 12<sup>th</sup> September 2019***

NIHR i4i Connect

***Closing Date 11<sup>th</sup> September 2019***

HTA Programme Researcher Led Evidence Synthesis Funding

***Closing Date 11<sup>th</sup> September 2019***

Enabling integrated diagnostics for early detection

***Closing Date 23<sup>rd</sup> September 2019***

NIHR and MRC Multi-morbidity funding opportunity

***Closing Date 9<sup>th</sup> October 2019***

BHF Translational Awards

***Closing date 15<sup>th</sup> October 2019***

EME Programme Precision Medicine

***Closing date 6<sup>th</sup> November 2019***

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

***Closing Date 13<sup>th</sup> November 2019***

Grow MedTech - Proof of Market

***Closing Date 31<sup>st</sup> 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 13<sup>th</sup> 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 24<sup>th</sup> October 2019

### [Surgical MIC National Meeting](#)

Cloth Hall Court, Leeds 19<sup>th</sup> 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 Valdastrì

Engineering Lead: Dr Peter Culmer

Biosensing Lead: Professor Paul Millner

Programme Manager: Vee Mapunde

Project Manager: Anita Blakeston

Project Manager: Sheila Boyes

