

Surgical MedTech Cooperative NEWSLETTER

July 2018

Edition 2

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 & hepatopancreaticobiliary (HPB) diseases. For more information on what we do, please contact surgicalmic@leeds.ac.uk

[Continance technologies whitepaper: Informing new engineering science research](#)

Advances in healthcare technology for continence have historically been limited compared to other areas of medicine, reflecting the complexities of the condition and social stigma which act as a barrier to participation. This whitepaper has been developed to inspire and direct the engineering science community towards research opportunities that exist for continence technologies that address unmet needs in diagnosis, treatment and long-term management. Our aim is to pinpoint key challenges and highlight related research opportunities for novel technological advances. To do so, we draw on experience and expertise from academics, clinicians, patients and patient groups linked to continence healthcare. This is presented in four areas of consideration: the clinical pathway, patient perspective, research challenges and effective innovation. In each we introduce seminal research, background information and demonstrative case-studies, before discussing their relevance to engineering science researchers who

EPSRC Programme, funding approved

A Grant application for ‘Surgery enabled by ultrasonics’ receives approval. The Programme Grant represents a £7.7 million research programme over five years, with EPSRC funding £6 million, across five universities (Glasgow, Edinburgh, Leeds, Birmingham, Southampton). Anticipated start date is 1st October. Professor David Jayne Clinical Director of MIC will be Chair of the Advisory Board and Professor Pietro Valdastrì MIC joint theme lead for engineering is a PI on the grant.

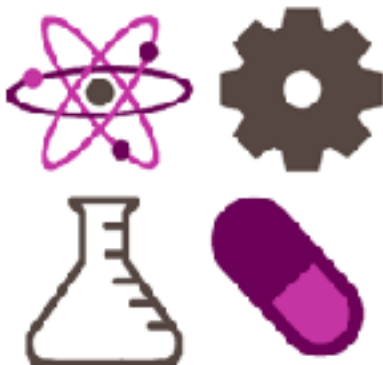


Economic Evaluations in Oncology

Dr Armando Vargas-Palacios, Health Economist to MIC will present his paper on Early economic evaluation of laparoscopic instrumentation: applications to colectomy in colorectal cancer patients at the [EuHea conference in Maastricht, Holland](#) 13th July 2018.

Prize Award to PhD Student

Chloe Kirkby, PhD student working with Nick West and Steve Evans, gave a talk at the [Maastricht Pathology](#) meeting in the plenary oral session last week on the application of Raman spectroscopy in rectal cancer. This is based on the work being carried out in conjunction with Renishaw. Chloe's collaborator, Julia Gala de Pablo a PhD student in physics was asked to give an 'invited' talk at CLIRSPEC (Clinical Infra-red and Raman Spectroscopy Conference) and was awarded the poster prize.



MedTech Foundation

The MedTech Foundation is going from strength to strength. The Innovation programme 2018 in Leeds was a huge success, culminating in 6 multidisciplinary teams of students presenting their novel solutions to unmet clinical needs in vascular and colorectal surgery. [Follow the link for more info.](#)

Institution of Mechanical Engineers (IMechE)

Well done to Darshan Shah pictured being presented with an award for the PhD poster category at the recent healthcare awards ceremony which took place on 19th June hosted by [IMechE's Biomedical Engineering Division \(BmED\)](#). This category was sponsored by Surgical MIC, presenting the award is Vee Mapunde Programme Manager.



Funding collaborations

[Innovate UK Creating a Network of Digital Pathology, Imaging & AI Centres](#)

Closing date 1st August

[NIHR HRA Surgical Management of Pressure Ulcers](#)

Closing date 1st August

[Creating a network of digital pathology, imaging and AI centres](#)

Closing date 5 August

[NIHR SME Improving Safety & Efficacy Through Targeted Drug Deliver](#)

Closing date 21st August

[Healthcare Impact Partnerships Call 2018/19](#)

Closing date 23rd August

[NIHR HTA programme researcher-led \(primary Research\)](#)

Closing date 29th August

[BBSRC - Industrial Partnership Award](#)

Closing date: 25th September

[BHF Translational Awards](#)

Closing date 15th October

[EME Programme Precision Medicine](#)

Closing date 6th November

[Clinical Outcomes Associated with the use XCM BIOLOGIC® Tissue Matrix](#)

Closing date 31st December - Contact us for more information

[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.

Upcoming Events

IDEAL 3rd International Conference

13th - 14th September Bristol Centre for Surgical Research, Bristol

Association of Upper Gastrointestinal Surgeons of Great Britain & Ireland (AUGIS)

Annual Meeting, 19th -21st September 2018, The Murrayfield Stadium, Edinburgh hosting an exhibition stand.

The Vascular Society of Great Britain & Ireland

Annual Meeting 28th- 30th November 2018

Scottish Event Campus, Glasgow hosting an exhibition stand.

SAVE THE DATE

Surgical MedTech Cooperative National Meeting Smart Surgery for Tomorrow's NHS

Date: 7th November 2018

Venue: Cloth Hall Court, Quebec Street
Leeds LS1 2HA

Registration via [Eventbrite](#) now open

Core team

Clinical Director: Professor David Jayne

Deputy Director: Mr Aaron Quyn

Vascular Theme Led: Professor Julian Scott

Pancreapatobiliary 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

