

Clinical Surgery

Issue II: September 2015

Foreword from the Research Manager



Research Manager: Dr Katie Shaw

Welcome to the Autumn edition of the research eBulletin for Clinical Surgery.

This edition features a an depth focus on the work of the **Islet Transplant Research Group**.

Over the summer months the department has welcomed a number of new research and teaching fellows; their profiles can be found on pages 6 & 7.

We also have the pleasure of welcoming Mr Ajay Maker from the University of Illinois at Chicago who will be visiting the department in September as part of his Society of

Surgical Oncology/European Society of Surgical Oncology Travelling Fellowship.

There will soon be a new requirement that all publications from the department are deposited in the University PURE publication repository— full details can be found on page 3.

The department is maintaining a strong research output with researchers at the Little France campus publishing close to 75 scientific and clinical papers so far this year, 33 of which have been published in the last quarter alone and are detailed at the end of the eBulletin.

*Welcome to The
autumn edition of
Department of
Clinical Surgery
eBulletin*

In This Issue:

Research in progress
meeting timetable

PURE Publication
Repository

Recent Grant Awards

Focus on The Islet
Transplant Research
Group

Support and Services
Available to Honorary
Members of the
University of Edinburgh

New Research Fellows

News Rounds Up

Clinical Audit Updates

Recent Publications

Conference
Submission Deadlines

Future Events



NEW Research in Progress Meeting

The new Wednesday morning Research in Progress meeting has got off to a successful start and has been running now for 3 months.

The programme will continue as per the timetable below on the first **Wednesday of the month @9am, OPD 4, RIE** until the end of this year.

In the new year the meeting will move to a new time slot to allow more members of the department to attend. The proposed new time slot will be Friday afternoons

3.30 - 4.30pm. Please contact the Research Manager, Katie Shaw (Catherine.shaw@ed.ac.uk) if you wish to comment on this proposal.

Please note that on **November 4th** Sharon Cameron, deputy director of the Wellcome Trust Clinical Research Facility, will give a brief presentation describing the services and facilities available to researchers conducting clinical studies and trials in the CRF.

Date	Speaker	Title
October 7th	Ewen Harrison	<i>Title TBC</i>
November 4th	Sharon Cameron (Deputy Director of the Wellcome Trust Clinical Research Facility)	<i>Services and Facilities Available to Researchers in The Wellcome Trust Clinical Research Facility</i>
	Christos Skouras	<i>Title TBC</i>
December 2nd	Nicholas Ventham	<i>DNA Methylation in newly diagnosed IBD</i>



PURE Update

In order to comply with the next REF, all publications must be made open access at the earliest opportunity. This will be achieved by the University's PURE publication repository.

A copy of all manuscripts must be deposited in the PURE database within **3 months of acceptance**. The deposited version should be the finally accepted version of the manuscript. This is after peer review, but before copy editing and type-setting by the journal. Please note that journal generated proofs can **not** be used for this purpose.

Please note that from April 2016 there will be no scope for retrospective compliance. From this date any publication not deposited in PURE within 3 months of acceptance will not be eligible for inclusion in the REF.

The Research Manager, Katie Shaw, and the Clinical Surgery admin team (Susan Keggie and Ingrid O'Malley) are available to help with depositing manuscript.

Please contact Katie Shaw (Catherine.shaw@ed.ac.uk) if you have any questions about the PURE publication repository or if you need assistance with depositing manuscripts.

Deposited manuscripts are made open access at the earliest opportunity and are searchable via the University Research Explorer tool - the public web portal of research activity captured in PURE.

More information about PURE can be viewed at www.ed.ac.uk/governance-strategic-planning/research/pure

Instructions on how to deposit manuscripts can be found at <http://www.ed.ac.uk/governance-strategic-planning/research/pure/pure-academics/add-content/research-outputs>

You can view your PURE profile by logging on with EASE here <http://www.ed.ac.uk/governance-strategic-planning/research/pure/access-pure>

Or see the Research Explorer (publically available) view by searching by name under the staff tab here <http://www.research.ed.ac.uk/portal/>

Recent Grant Awards

Mr Ewen Harrison, Professor Jeremy Hughes, Miss Lorna Marson & Professor Steve Wigmore

RIP1 Kinase inhibition to reduce kidney injury
MRC Industry Collaboration Agreement (MICA), GSK Clinical Training Fellowship for Kevin Gallagher

2015-2018: £206,703

Mr Damian Mole

A strategic Review and Health Informatics Innovation for Improvement project for the HPB multidisciplinary referral system for NHS Lothian Pancreatic Cancer Scotland
2015

Professor Jim Ross

An induced pluripotent stem cell-derived corneal differentiation model to investigate the molecular and cellular basis of ocular differentiation
Edinburgh And Lothian Health Foundation
2015-2018: £83,000

Mr John Casey

Taking GMP compliant reprogrammed reprogrammed human beta cells to "first in man" clinical trials within 5 years
UK Cell Therapy Catapult
2015-2016: £1.5 million

Focus on The Islet Transplant Research Group

The clinical islet transplant programme has an active research group led by **John Casey** and **Shareen Forbes**.

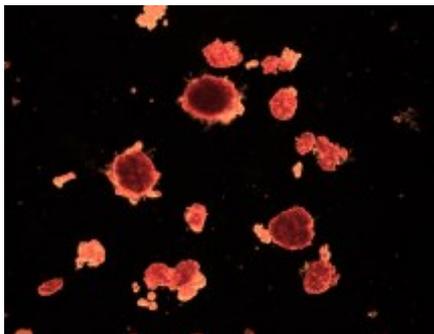


Mr John Casey



Dr Shareen Forbes

The group, in collaboration with Professor Kevin Docherty (Aberdeen University) and Stuart Forbes (MRC Centre for Regenerative Medicine), has a major interest in regenerative strategies to produce a renewable source of human insulin-secreting beta cells for the treatment of type-1 diabetes. We have recently been able to re-programme cells of the adult human exocrine pancreas obtained from the islet isolation procedure toward functional β -like cells in vitro. The reprogrammed cells secreted insulin in response to glucose and successfully prevented the onset of diabetes when grafted in a diabetic mouse model (Diabetes. 2013 Aug;62(8):2821-33).



Human islet cells growing in culture

We have also conducted a number of studies examining outcomes following the establishment of The UK pancreas allocation scheme for whole organ and islet transplantation (American Journal of Transplantation, 2015 15: 2443-2445), recently demonstrating that a nationally funded islet transplant programme reaches the socioeconomically deprived and outcomes are significantly improved in this group (Diabetologia. 2015 Jun;58(6):1300-8).

Additional research interests of the group include engraftment of islets in the liver, the effect of donor derived MSC's on islet transplantation and developing 3D printing techniques for human islet production.

We are co-investigators in the UK Islet Transplant Consortium (UKITC) project "Establishment of optimised biomedical and psychosocial measures to determine overall outcomes in islet transplant recipients" and have active clinical research projects to investigate metabolic outcomes after islet transplantation

The group has close collaborations with Professors John Campbell and Marc Turner (Scottish National Blood Transfusion Service), Professor Rory Duncan and Dr Will Shu (Heriot-Watt University), and Mr Kourosh Saeb-Parsy (Cambridge University).

Current sources of funding for the group include:

UK Cell Therapy Catapult: aims to take GMP compliant reprogrammed human beta cells to "first in man" clinical trials within 5 years; £1.5 million; 2015-2016

MRC: Reprogramming of redundant human exocrine tissue to endocrine tissue for transplantation in the treatment of type 1 diabetes; £550,000, 2012-2015

Diabetes UK: Optimising islet cell engraftment for long term function; £280,000, 2014-2017

Wellcome Trust: The alloimmune response to human induced pluripotent stem cells and their differentiated progeny in a humanised mouse model; £350,000, 2013-2016

Diabetes UK: Establishment of optimised biomedical and psychosocial measures to determine overall outcomes in islet transplant recipients; £390,255, 2010-2015

We recently submitted a full application for a Wellcome Trust collaborative grant (Heriot Watt University, SNBTS and IGMM), "*The fundamental design of the human pancreatic islet*" (£3.6 million), which will allow us to model the minimal tissue unit for islet 3D bioprinting.



Support & Services Available to Honorary University of Edinburgh Staff

All members of staff in Clinical Surgery who are also honorary members of the University of Edinburgh have access to:

An Edinburgh Authentication Service (**EASE**) Account and an **@ed.ac.uk** email account.

Logging onto **EASE** gives users access to many University services including the library content and online access to journals.

EASE also allows user to register for access to University WiFi networks (including on mobile devices) and to set up a virtual private network (VPN) allowing access to University services, such as the library and ejournals, off campus, for example from home.

Please note that the Clinical Surgery central admin office, lecturers office and conference room (all off ward 106), and ESSQ office (off ward 201) now have University WiFi installed which can be accessed in these rooms and in areas immediately adjacent to these rooms.

An **@ed.ac.uk** email account:

- Is necessary for some services offered by the University ACCORD office during the process of grant applications.
- Is necessary for registration with the Joint Electronic Submission System (JeS) - the online grant submission system used by the Research Councils.
- Allows users to join the Edinburgh area of the Research Professional Network www.researchprofessional.com - an excellent resource for research related news updates, including funding opportunities

If you don't know how to access your EASE or **@ed.ac.uk** accounts please contact the Research Manager (Katie Shaw: Catherine.shaw@ed.ac.uk)

PURE for Honorary members of staff.

All honorary members of staff now have a profile on the PURE repository. Publications should be deposited as described in the PURE Update on page 3. The research manager (Katie Shaw) and the clinical surgery admin team (Susan Keggie and Ingrid O'Malley) are available to help with publication deposits. Please contact Katie if you would like us to help with depositing your manuscripts so we can arrange the necessary access to your PURE profile.

You can view your PURE profile by logging on with EASE here

<http://www.ed.ac.uk/governance-strategic-planning/research/pure/access-pure>

Or see the Research Explorer (publically available) view by searching by name under the staff tab here

<http://www.research.ed.ac.uk/portal/>

NEW Research Fellows

Dr Jenna Langschmidt



Jenna Langschmidt is the new Anatomy Teaching Fellow

Jenna is originally from South Africa but moved to Canada where she obtained a BSc(Hons) in Biology from the University of Western Ontario. During this time she had the opportunity to do her final year thesis at the University of St Andrews where

she thoroughly enjoyed dabbling in the field of genetic engineering, creating her own strain of fungus. She later moved to England to study medicine at the University of Warwick. Having just completed her Foundation training on the Isle of Man, Jenna joins the Department of Clinical Surgery as the new Clinical Teaching Fellow in Anatomy and Surgery.

Dr Diana Wu



Diana Wu graduated from the University of Edinburgh before completing her foundation training in the South East Scotland deanery. She began her PhD last year, working on the NIHR funded ATTOM study (Access to Transplantation and Transplant Outcome Measures) under the supervision of Mr Gabriel Oniscu

and Professor John Forsythe. She will continue her work investigating the factors affecting access to renal transplantation, as well as the development of a novel survival prediction tool for ESRD patients being assessed for transplantation, and working on alternative kidney allocation models.

Dr Micheal Ramage



Michael Ramage's two year research project is looking at cancer cachexia with specific regard to the upper GI cancers of stomach, oesophagus and pancreas. The project will involve demographic workup of cancer patients prior to surgery and will then involve collection of tissue, blood and urine samples. These will be analysed to look at protein content, fat metabolism,

myosteatosis, and urine metabolomics. We have plans to thoroughly characterise patient variables pre-operatively and hopefully relate these to outcomes. Micheal will be funded jointly by Novartis and an ESPEN fellowship.

Dr Kevin Gallagher



In a collaboration between the University of Edinburgh and GlaxoSmithKline, Kevin Gallagher has been awarded an MRC Fellowship for a project entitled, "Investigating novel RIP-1 kinase inhibitors for the amelioration of acute ischemic kidney injury"

The project will be supervised by Mr. Ewen Harrison, Professor Jeremy Hughes, Professor Stephen Wigmore, Miss Lorna Marson and Mr. Grant Stewart and aims to determine if inhibiting a newly discovered mechanism of cell death reduces the amount of injury that kidneys experience when they become starved of oxygen. This is particularly important in many kinds of surgery including kidney transplant, urological surgery, cardiac surgery and aneurysm surgery.

NEW Research Fellows

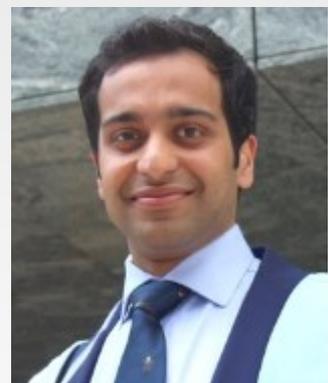
Dr Toby Murray



Toby Murray is an intercalating medical student studying an MScR in Surgery, with the aim of pursuing a career in academic surgery. Toby graduated from the University of Edinburgh with a BSc in Biomedical Sciences (Physiology) and an MSc in Human Anatomy before studying Medicine at Peninsula Medical School, in Exeter and Plymouth.

Toby has been actively involved with Mr Damian Mole's group for the past 3 years, undergoing summer research projects, building towards his current research project – defining the precise pharmacokinetics of the metabolism of tryptophan and its metabolites via the kynurenine pathway, pre-clinically. Toby's research interests include critical illness, pancreatitis and pancreatic cancer.

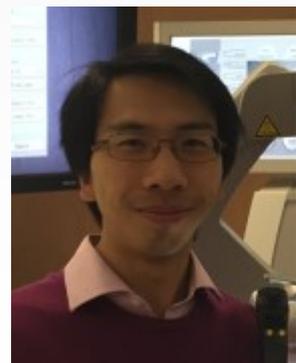
Dr Hari Nair



Having graduated from the University of Edinburgh in 2011, Hari completed foundation and core surgical training in the South East. Hari has joined the Department of Clinical Surgery this August as an ESSQ research fellow investigating outcomes for patients with colorectal liver metastases. Additional roles include being an ESSQ Year 2

tutor, CTA and surgical tutor to undergraduates.

Dr Paul Yang



Paul Yang joins the department as the new Spire Fellow. Paul qualified as a doctor in China and finished his junior residency training afterwards. He came to the UK to develop his career in academic medicine. His previous research was studying the MAPK signalling pathways using prostate cancer cells, and he is writing up

his PhD thesis on this work. Paul will be conducting clinical research in cancer during his appointment in Edinburgh.

News Round Up

Professor OJ Garden being awarded Honorary Fellowship of College of Surgeons of Hong Kong on 12th September and delivering GB Ong Lecture at their 25th Anniversary Meeting on the same day.

Mr Nick Ventham has been awarded a basic science travel grant award to attend United Gastroenterology (UEG) Week in Barcelona.

Professor Steve Wimore has been elected as a member of the International Surgical Group

Richard McGregor has been awarded his PhD from the University of Edinburgh.

Professor OJ Garden has been appointed to the Prof Antoni Jurasz Lectureship, Polish Medical School, 2016.

Mr Ewen Harrison recently presented the work of the GlobalSurg Project at the Royal College of Surgeons (Glasgow) Global Health Symposium and gave a Honeyman Gillespie Lecture on the same subject at the University of Edinburgh in August.



Clinical Audit Update

The rolling programme of audits within the Department of Surgery continues to be undertaken principally by the Year 1 and 2 Foundation Doctors and coordinated by **Anna Paisley**.

The new cohort of junior doctors joined the Royal Infirmary of Edinburgh at beginning of August and they are all getting started on audit projects.

Current ongoing audits include: VTE prophylaxis, Medicines Reconciliation, Intravenous fluid Prescribing, Sepsis 6 guidelines, Deteriorating Patient Protocols.

Results of these audit projects will be presented at the weekly M&M meetings in the near future

Recent Publications

Primrose JN, Cunningham D, Garden OJ, Maughan TS, Pugh SA, Stanton L, Falk SJ, Rees M, Finch-Jones M, Valle JW, O'Reilly D, Hornbuckle J, Hickish T, Bridgewater JA. **Cetuximab Is Contraindicated in the Perioperative Treatment of Colorectal Liver Metastases.** *J Clin Oncol*, 2015; 33(21):2405-6

Hughes MJ, Ventham NT, Harrison EM, Wigmore SJ. **Central venous pressure and liver resection: a systematic review and meta-analysis.** *HBP*, 2015 In press

Ravikumar R, Tsochatzis E, Jose S, Allison M, Athale A, Creamer F, Gunson B, Iyer V, Madanur M, Manas D, Monaco A, Mirza D, Owen N, Roberts K, Sen G, Srinivasan P, Wigmore S, Fusai G, Fernando B, Burroughs A. **Risk Factors for Recurrent Primary Sclerosing Cholangitis After Liver Transplantation.** *J Hepatol*, 2015. In press

Li B, Cairns JA, Fotheringham J, Tomson CR, Forsythe JL, Watson C, Metcalfe W, Fogarty DG, Draper H, Oniscu GC, Dudley C, Johnson RJ, Roderick P, Leydon G, Bradley JA, Ravanan R. **Understanding cost of care for patients on renal replacement therapy: looking beyond fixed tariffs.** *Nephrol Dial Transplant*, 2015. In Press

Liu J, Brzeszczynska J, Samuel K, Black J, Palakkan A, Anderson RA, Gallagher R, Ross JA. **Efficient episomal reprogramming of blood mononuclear cells and differentiation to hepatocytes with functional drug metabolism.** *Exp Cell Res*, 2015. In press

O'Neill S, Gallagher K, Hughes J, Wigmore SJ, Ross JA, Harrison EM. **Challenges in early clinical drug development for ischemia-reperfusion injury in kidney transplantation.** *Expert Opin Drug Discov*, 2015, 10(7):753-62

Nepogodiev D, Chapman SJ, Glasbey J, Kelly M, Khatri C, Drake TM, Kong CY, Mitchell H, Harrison EM, Fitzgerald JE, Bhangu A; STARSurg Collaborative. **Determining Surgical Complications in the Overweight (DISCOVER): a multicentre observational cohort study to evaluate the role of obesity as a risk factor for postoperative complications in general**

surgery. *BMJ Open*. 2015, In Press

Connor K, Yawathe M, Harrison EM. **Progressive Abdominal Distention in an Immunosuppressed Woman.** *Gastroenterology*. 2015. In Press

Palacio-Torralba J, Jiménez Aguilar E, Good DW, Hammer S, McNeill SA, Stewart GD, Reuben RL, Chen Y. **Patient specific modeling of palpation-based prostate cancer diagnosis: effects of pelvic cavity anatomy and intrabladder pressure.** *Int J Numer Method Biomed Eng*. 2015, In Press

Noe A, Stewart GD, Bex A. **The role of cytoreductive surgery in the era of targeted agents.** *Curr Opin Urol*, 2015, 25(5):374-80

Roberts KJ, Sutcliffe RP, Marudanayagam R, Hodson J, Isaac J, Muiesan P, Navarro A, Patel K, Jah A, Napetti S, Adair A, Lazaridis S, Prachalias A, Shingler G, Al-Sarireh B, Storey R, Smith AM, Shah N, Fusai G, Ahmed J, Abu Hilal M, Mirza DF. **Scoring System to Predict Pancreatic Fistula After Pancreaticoduodenectomy: A UK Multicenter Study.** *Ann Surg*. 2015, 261(6):1191-7

Falconer SJ, Peagam WR, Oniscu GC. **Early or Late Conversion From Tac-BD to Tac-BD in Renal Transplantation: When is the Right Time?** *Transplant Proc*. 2015, 47(6):1741-5

Terrace JD, Oniscu GC. **Paediatric obesity and renal transplantation: current challenges and solutions.** *Pediatr Nephrol*. 2015 In Press

Diaz G, Levitsky J, Oniscu G. **Meeting report of the 2014 joint international congress of the international liver transplantation society, liver intensive care group of Europe, and European liver and intestinal association.** *Liver Transpl*. 2015, 21(7):991-1000

O'Neill S, Wigmore SJ, Harrison EM. **Debate: should we use variable adjusted life displays (VLAD) to identify variations in performance in general surgery?** *BMC Surg*. 2015 28;15(1):102.

Recent Publications

Tulloch B, de Beaux AC. **Comment to: Posterior component separation with transversus abdominis release successfully addresses recurrent ventral hernias following anterior component separation.** Pauli EM et al. *Hernia* 2015; 19: 285-291. *Hernia*. 2015, 19(4):685-6

Hayes AJ, Skouras C, Haugk B, Charnley RM. **Keap1-Nrf2 signalling in pancreatic cancer.** *Int J Biochem Cell Biol*. 2015, 65:288-99

Aahlin EK, Tranø G, Johns N, Horn A, Søreide JA, Fearon KC, Revhaug A, Lassen K. **Risk factors, complications and survival after upper abdominal surgery: a prospective cohort study.** *BMC Surg*. 2015, 7;15:83

Lassen K, Dejong CH, Revhaug A, Fearon K, Lobo DN, Ljungqvist O. **Food at will after pancreaticoduodenectomies. Re. "Perioperative nutritional support of patients undergoing pancreatic surgery in the age of ERAS".** *Nutrition*. 2015, 31(7-8):1057-8

Ventham NT, Kennedy ED, Brady RR, Paterson HM, Speake D, Foo I, Fearon KC. **Efficacy of Intravenous Lidocaine for Postoperative Analgesia Following Laparoscopic Surgery: A Meta-Analysis.** *World J Surg*. 2015; 39(9):2220-34

Del Fabbro E, Jatoi A, Davis M, Fearon K, di Tomasso J, Vigano A. **Health professionals' attitudes toward the detection and management of cancer-related anorexia-cachexia syndrome, and a proposal for standardized assessment.** *J Community Support Oncol*. 2015 ; 13(5):181-7

Simmons CP, Koinis F, Fallon MT, Fearon KC, Bowden J, Solheim TS, Gronberg BH, McMillan DC, Gioulbasanis I, Laird BJ. **Prognosis in advanced lung cancer - A prospective study examining key clinicopathological factors.** *Lung Cancer*. 2015; 88(3):304-9

Malietzis G, Johns N, Al-Hassi HO, Knight SC, Kennedy RH, Fearon KC, Aziz O, Jenkins JT. **Low Muscularity and Myosteatosis Is Related to the Host Systemic Inflammatory Response in Patients Undergoing Surgery for Colorectal Cancer.** *Ann Surg*. 2015, In Press

Malietzis G, Aziz O, Bagnall NM, Johns N, Fearon KC, Jenkins JT. **The role of body composition evaluation by computerized tomography in determining colorectal cancer treatment outcomes: a systematic review.** *Eur J Surg Oncol*. 2015; 41(2):186-96

Rohatgi S, Harrison EM, Powell JJ, Wigmore SJ. **ALPPS: Adverse Outcomes Demand Clear Justification in an Era of Improving Survival for Colorectal Liver Metastases.** *World J Surg*. 2015, 39(7):1848-9

Ross-Innes CS, Becq J, Warren A, Cheetham RK, Northen H, O'Donovan M, Malhotra S, di Pietro M, Ivakhno S, He M, Weaver JM, Lynch AG, Kingsbury Z, Ross M, Humphray S, Bentley D, Fitzgerald RC; Oesophageal Cancer Clinical and Molecular Stratification (OCCAMS) Study Group; Oesophageal Cancer Clinical and Molecular Stratification OCCAMS Study Group. **Whole-genome sequencing provides new insights into the clonal architecture of Barrett's esophagus and esophageal adenocarcinoma.** *Nat Genet*. 2015, 47(9):1038-46

Johnston C, McSorley H, Smyth D, Anderton S, Wigmore S, Maizels R. **A role for helminth parasites in achieving immunological tolerance in transplantation.** *Lancet*. 2015, 26; 385 Suppl 1:S50

Hughes MJ, Harrison EM, Wigmore SJ. **Energy Expenditure After Liver Resection: Validation of a Mobile Device for Estimating Resting Energy Expenditure and an Investigation of Energy Expenditure Change After Liver Resection.** *JPEN J Parenter Enteral Nutr*. 2015, In Press

Recent Publications

Forsythe RO, Hinchliffe RJ **Assessment of foot perfusion in patients with diabetic foot ulcer.** *Diabetes/Metabolism Research and Reviews* . 2015
In Press

Forsythe RO, Chemla ES. **Surgical options in the problematic arteriovenous haemodialysis access.** *CardioVascular & Interventional Radiology* . 2015, In Press

McNair AGK, Whistance RN, Forsythe RO, Rees J, Jones JE, Pullyblank AM, Avery KNL, Brookes ST, Thomas MG, Sylvester PA, Russell A, Oliver A, Morton D, Kennedy R, Jayne DG, Huxtable R, Hackett R, Dutton SJ, Coleman MG, Card M, Brown J, Blazeby JM On behalf of the CONSENSUS-CRC (Core Outcomes and iNformation SEts iN SURgical Studies – ColoRectal Cancer) working group. **Synthesis and summary of patient-reported outcomes (PRO) to inform the development of a core outcome set in colorectal cancer surgery.** *Colorectal Disease*, 2015, In Press

Rymer B, Forsythe RO, Husada G. **Mucocoele and mucinous tumours of the appendix: a review of the literature.** *International Journal of Surgery* 18(2015);132-135

Forsythe RO, Brownrigg J, Hinchliffe RJ. **Peripheral arterial disease and revascularisation of the Diabetic Foot.** *Diabetes Obesity and Metabolism* 17(5):435-44

Future Conference Submission **Deadlines**

Conference	Date	Location	Abstract Submission
<i>Academic and Research Surgery (SARS)</i>	<i>6-7 January 2016</i>	<i>Royal College of Surgeons, London</i>	<i>Closes 9am, 9th September. No late submissions accepted</i>
<i>Alpine Liver and Pancreatic Surgery (ALPS)</i>	<i>3-7 February 2016</i>	<i>Madonna di Campiglio, Italy</i>	<i>9th November</i>
<i>British Transplant Society (BTS)</i>	<i>24-26 February 2016</i>	<i>Glasgow</i>	<i>9am, 19th November</i>
<i>European Surgical Association (ESA)</i>	<i>7-9 April 2016</i>	<i>Edinburgh</i>	<i>18th October</i>
<i>American Surgical Association (ASA)</i>	<i>14-16 April 2016</i>	<i>Chicago, USA</i>	<i>22nd November</i>
<i>International Hepato-Pancreato-Biliary Association (IHPBA)</i>	<i>20-23 April 2016</i>	<i>Sao Paulo, Brazil</i>	<i>Midnight 14th September</i>
<i>International Meeting of Ischemia Reperfusion Injury in Transplantation (IMIRT)</i>	<i>20-22 April 2016</i>	<i>Poitiers, France</i>	<i>TBC</i>
<i>Royal Australian College of Surgeons (RACS) Annual Scientific Congress</i>	<i>2-6 May 2016</i>	<i>Brisbane, Australia</i>	<i>TBC</i>
<i>Association of Surgeons of Great Britain and Ireland</i>	<i>11-13 May 2016</i>	<i>Belfast</i>	<i>TBC</i>
<i>International Association of Medical Educators (IAMSE)</i>	<i>22-23 Sept 2016</i>	<i>Leiden, Germany</i>	<i>TBC</i>

Upcoming Events

The Time Travelling Operating Theatre

1884

1984

2014



On October 10th the Wellcome-Trust funded Time Travelling Operating Theatre will visit The National Museum of Scotland in Edinburgh. This one day public engagement event is being led by Imperial College London and will feature three 10-15 min long live simulations of life in the operating theatre in 1884, 1984 and 2014.



**National
Museums
Scotland**

Mr Damian Mole will co-ordinate a team of Edinburgh surgeons who will take part in the simulations and participate in open discussions with members of the public around future ethics in surgery.

SSO/ESSO Travelling Fellowship



Dr Ajay Maker, Director of Surgical Oncology Cretecos Cancer Center and Advocate Illinois Masonic Medical Center is visiting our department for his SSO/ESSO Travelling Fellowship on **Monday 28th to Thursday 30th September.**

Dr. Maker is a surgical oncologist with board certification in general surgery. His expertise include treating benign and malignant diseases of the liver, bile ducts, gallbladder and pancreas, as well as colon and other gastrointestinal cancers, melanoma, and sarcoma

Dr. Maker's research focuses on cancers of the colon and liver, focusing on the role of the immune system in cancer, specifically on colon cancer that has spread to the liver. He is working towards identifying novel immunotherapeutic agents for these conditions and initiating clinical trials to investigate them liver

Dr Maker will visit Little France on Monday 28th and Tuesday 29th of September. If anyone would like to meet with Dr Maker please contact Susan Keggie (S.Keggie@ed.ac.uk).

RCSEd EVENTS IN BIRMINGHAM October 2015

There are still places remaining for The Frontiers in Surgery Research Collaboratives Meeting

21 October 2015
Macdonald Burlington Hotel,
Birmingham



The full programme can be found at <http://www.rcsed.ac.uk/education/courses-and-events/coursedetails.aspx?diaryId=1533>

To book a place and view other events, please visit www.rcsed.ac.uk



**Edinburgh School of Surgery Day
December 4th, 2015**

Full details of the programme will be available shortly