

Clinical Surgery NEWS

Conference Special

2018 will be a busy a busy year for conferences with members of the Department of Clinical Surgery organising and hosting scientific and clinical meetings in Edinburgh and beyond.

4th Cancer Cachexia Conference: Insights into New Discoveries and Translational Therapies

14-16th September, 2018
Philadelphia, USA



Mr Richard Skipworth will be co-chairing this international meeting which will feature presentations from leading scientists and physician-scientists working in the field of cancer cachexia. The 2 and a half day programme will feature oral and poster presentations as well as focussed sessions on clinical trials and biomarkers

Abstract submission deadline: June 30th, 2018

For more information and to submit an abstract please visit the conference website: <http://cancercachexiasociety.org>

Association of Surgeons of Great Britain and Ireland, International Surgical Congress

9th-11th
May, 2018
Liverpool



Hosted by this year's ASGBI President, **Mr Rowan Parks**, the theme of the congress will be 'Surgical Teams', recognising that surgical services are delivered by multi-disciplinary, multi-professional teams with collaborative teamwork bringing significant benefits.

Registration now open at: <http://www.asgbi.org/liverpool2018/>

The British Hernia Society Biannual Meeting

5th-6th November
Assembly Rooms, Edinburgh



Mr Andrew de Beaux will host The British Hernia Society Biannual meeting with local faculty members including **Mr Bruce Tulloh, Mr Dimitrios Damaskos and Mr Stuart McKechnie**



5th Nov: *Emergency management of the abdominal wall including issues around the open abdomen.*

6th Nov: *Hernia dilemmas for the surgeon*

Registration and abstract details to follow. For further information please see the BHS society website: <http://www.britishherniasociety.org/events/bhs-meeting-2018/>

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

19-21st September
Murrayfield, Edinburgh



Save the date for AUGIS 2018 organised by **Mr Greame Couper** and **Mr Peter Lamb**

For more information see the AUGIS website: <http://www.augis.org>

Welcome to the
Spring 2018
Edition of the
Department of
Clinical Surgery
Newsletter

In This Issue:

Conference
Special

Congratulations
& Recent Grant
Awards

New Staff
Members

University News

Clinical Trials
Update

Recent
Publications

Future Events

Conference
Submission
Deadlines

Congratulations & Recent Grant Awards

Miller, J

Elucidating the molecular mechanisms and clinical consequences of skeletal muscle loss in cancer cachexia

CRUK Pre-Doctoral Research Bursary

£23,000

Cancer Research UK, 2018

Skipworth, RJE

Adipose depot gene expression in cancer cachexia

RCSEd Small Research Support Grants

£9435, 2018

Miller J, Wigmore SJ, Skipworth, RJE, Ross, JA. *Muscle wasting in cancer: Molecular mechanisms and potential therapeutic targets*

Maurice Wohl Fellowship

RCSEd

£50,000, 2018-2020

Conner, KL, Denby, L, Wigmore SJ, Marson LP

The validity of a novel microRNA signature in predicting heme oxygenase-1 upregulation in clinical trials

Deanery of Clinical Sciences Funding Challenge, The University of Edinburgh.

£2471, 2018

Conner, KL, Denby, L, Wigmore SJ, Marson LP

MicroRNAs predict and regulate heme oxygenase-1 expression in renal transplantation

RCSEd Pump Priming Grant

£10,000, 2018

Guest, R

Identifying novel genetic drivers of cholangiocarcinoma in Primary Sclerosing Cholangitis

Academy of Medical Sciences Starter Grant for Clinical Lecturers

£30,000, 2018

Robert O'Neill

Characterising the Cellular and Transcriptional Features of Lymphatic Metastasis in Oesophageal Adenocarcinoma

RCSEd Small Research Pump Priming Grant

£10,000, 2018

Chris Johnston has been awarded the 2018 British Transplant Society Roy Calne award for his Nature Communications paper entitled, *A structurally distinct TGF- β mimic from an intestinal helminth parasite potently induces regulatory T cells* (2017 Nov 23;8(1):1741. doi: 10.1038/s41467-017-01886-6). The medal recognises the most outstanding contribution published in a peer review journal, as a single paper, in the broad field of

transplantation by a member aged under 40 years

Chris Cartlidge and **Neil Johns** have been appointed to national training interface group oncoplastic fellowships in breast surgery for their final year of training.

Chris will be working at the Royal Hallamshire Hospital, Sheffield and Neil will be at the Royal Free Hospital, London.

They each recently passed the intercollegiate FRCS (General & Breast) examination.

Departmental Visitors

Professor David Watters

Prof Watters is the immediate Past President of RACS who since 2000 has been Professor of Surgery for Barwon Health in Geelong, initially with Melbourne (2000-2010), and then Deakin University (2011).



He is a general surgeon with interests in general, colorectal and endocrine surgery. Prof Watters is actively engaged in advocating for global surgery, having spent almost 20 years in developing countries including Papua New Guinea, Hong Kong, Zambia and South Africa.

Prof Watters is an Edinburgh University graduate, and in addition to the FRACS, a fellow of the Edinburgh, Hong Kong, and East Central and Southern Africa Colleges of Surgeons. In recognition of his contribution to surgery and surgical training in PNG he was awarded the OBE (2012), and Rotary's Paul Harris Fellowship (2000).

Professor Watters will visit the Department of Clinical Surgery in Edinburgh, May 27th - 31st.

<https://www.epworthgeelong.org.au/find-a-doctor/david-allan-kilpatrick-watters/>

Dr Karl Bilimoria

Dr. Bilimoria is a surgical oncologist and a health services and quality improvement researcher at Northwestern University's Feinberg School of Medicine, USA. He is also the Vice Chair for Quality in the Department of Surgery. His clinical practice is focused on melanoma, sarcoma, and breast cancer.



He is the Director of the Surgical Outcomes and Quality Improvement Centre of Northwestern University (SOQIC), a centre focused on national, regional, and local quality improvement research and practical initiatives.

Dr Bilimoria will visit Edinburgh as a James IV Travelling Fellow, June 7th-12th

<http://www.surgery.northwestern.edu/research/faculty-research/>

Clinical Trials Update

Currently Recruiting

The **OPTIMISE II** Trial

OPTIMISE II is a large-scale, pragmatic, international, multi-centre study that is aiming to recruit over 2500 patients globally, and is seeking to provide definitive evidence on the value of a cardiac-output guided fluid and inotrope protocol in preventing infectious complications for patients over 65 years of age.

This NIHR Portfolio study is sponsored by Queen Mary University of London, and the local PI is Dr Mort Kelleher (Consultant Anaesthetist). To date we have recruited 8 patients to the study. We are particularly targetting patients undergoing Whipple's procedure and gastrectomy at RIE, although patients undergoing other procedures involving the luminal GI tract may also be eligible.

If you have any enquiries about the study, or think you may have a suitable patient, please don't hesitate to contact Dr Kelleher (mortimer.kelleher@nhslothian.scot.nhs.uk) or Rachael Campbell, our Perioperative Research coordinator (rachael.campbell@nhslothian).

The **ROMIO** Trial

A multicentre randomised controlled trial comparing minimally invasive verses open esophagectomy for esophageal cancer.

This trial is being run by the University of Bristol. NHS Lothian is now open as a trial site and recruitment has begun.

For more information please contact **Mr Peter Lamb** or **Mr Richard Skipworth**

OCCAMS—Oesophageal Cancer Clinical and Molecular Stratification.

A Multicentre Study to Determine Predictive and Prognostic Biomarkers and Therapeutic Targets for Oesophageal and Junctional Adenocarcinoma including Whole Genome Sequencing

This study, part of the International Cancer Genome Consortium (ICGC2), has recently been refunded by CRUK for 5 years and is continuing recruitment

For more information please contact **Mr Rob O'Neil** or **Mr Richard Skipworth**

The **NeoAegis** Trial

A phase III, open-labelled RCT comparing the MAGIC neoadjuvant/adjuvant chemotherapy regimen with the CROSS neoadjuvant chemoradiation protocol in patients with cT2-3 N0-3 M0 adenocarcinoma of the oesophagus or junction. The primary objective is to evaluate 1, 2 and 3-year survival.

This trial is currently recruiting. For more information contact **Mr Richard Skipworth**.

TWIST—Tracking Wound Infection with Smart Phone Technology

A randomised controlled trial to investigate if a smartphone tool can shorten time to diagnosis of surgical site infections.

All patients (>16) undergoing abdominal surgery who own a smartphone are eligible to enter the study. Visually impaired patients are excluded.

Patients will be randomised to receive either standard post-operative care or standard post-operative care plus use of the smartphone tool.

Those in the smartphone group will receive a series of questions via text message and have the facility to upload a photograph of their surgical wound.

Primary outcome measure is time to diagnosis of an SSI and secondary outcome measures will consider use of A&E and GP services

RIE and WGH sites are both recruiting patients to this study.

For more information please contact Principle Investigator, **Mr Ewen Harrison**

Coming Soon....

The **HOT-2** Trial

HOT-2 is a blinded randomized controlled investigation into the efficacy of heme arginate in improving primary graft function in deceased donor kidney transplantation. Ms Lorna Marson is the Chief Investigator and Edinburgh will be the lead centre for this multicentre trial

It is anticipated that Edinburgh will open as the first trial site and begin recruitment late in early 2018.

For more information about HOT-2 please contact Chief Investigator, **Ms Lorna Marson**.

New Members of Staff University News

Roseline Antai

Roseline Antai PhD, has recently joined the Surgical Informatics Group as a Research Assistant. Roseline is a Computer Scientist whose area of specialisation is Artificial Intelligence in general, and Natural Language Processing in particular. She gained her PhD from



The University of Essex, where she worked on Sentiment Analysis, classifying documents according to their emotional polarities, using Machine Learning algorithms and Lexical based methods. Roseline will be working primarily on the GlobalSurg project with Mr Ewen Harrison, Dr. Riinu Ots, and Dr. Katie Shaw. She will also be assisting with other projects such as the HealthyR course run by the group, and with leveraging Natural Language Processing techniques in harnessing data from medical health records.

Cameron Fairfield

Cameron Fairfield has joined the department as a Clinical Research Fellow under the supervision of Mr Ewen Harrison. He will be contributing to the Surgical Informatics research group to determine the possibility of gallstone disease being the sentinel presentation of metabolic syndrome and indicating risk of future cardiovascular disease. This work will involve analysis of data obtained through the UK biobank and NHS Lothian data. He will be working alongside Dr Rosaline Antai to harness natural language processing as a means to access data locked inside health records.

In addition to this Cameron will be contributing to the Online Distance Learning programmes and undergraduate surgical teaching.



New Head for College of Medicine & Veterinary Medicine

The University of Edinburgh's Head of the Medical School and Director of MRC Centre for Inflammation Research, **Professor Moira Whyte**, has been appointed as **Vice-Principal and Head of College of Medicine & Veterinary Medicine**. Professor Whyte is a respiratory physician who trained in academic medicine in London.



Professor Whyte was appointed as Sir John Crofton Professor of Respiratory Medicine at the University of Edinburgh in 2014 and became Director of the MRC University of Edinburgh Centre for Inflammation Research in 2015.

She was appointed Head of the Medical School in 2016.

Professor Whyte's research interests have focused on chronic inflammatory lung diseases and understanding of host defences against bacterial infection in the lung.

Her research was recognised by election as a Fellow of the Academy of Medical Sciences, as one of 100 Foundation Fellows of the European Respiratory Society and as a Fellow of the Royal Society of Edinburgh.

She received an OBE in 2014 for services to respiratory medicine.

<https://www.ed.ac.uk/news/staff/2018/new-head-college-of-medicine-veterinary-medicine>

New University Principle and Vice Chancellor

Professor Peter Mathieson MBBS, PhD, FRCP, FMedSci assumed the office of Principal and Vice-Chancellor of the University of Edinburgh in February 2018.

Professor Mathieson studied medicine at the University of London and after junior training positions in London, moved to Cambridge as an MRC Research Fellow to study for a PhD.

After serving as Dean of the Faculty of Medicine and Dentistry at the University of Bristol, Professor Mathieson moved to Hong Kong in 2014 and assumed the role of President and Vice-Chancellor of the University of Hong Kong.

<https://www.ed.ac.uk/principals-office/principal-biography>

The University Chancellor remains, HRH The Princess Royal

Recent Publications

Cho JY, Baron TH, Carr-Locke DL, Chapman WC, Costamagna G, de Santibanes E, Dominguez Rosado I, Garden OJ, Gouma D, Lillemoed KD, Angel Mercado M, Mullady DK, Padbury R, Picus D, Pitt HA, Sherman S, Shlansky-Goldberg R, Tornqvist B, Strasberg SM. **Proposed standards for reporting outcomes of treating biliary injuries.** *HPB (Oxford)*. 2018 [Epub ahead of print]

Sultana A, Brooke-Smith M, Ullah S, Figueras J, Rees M, Vauthey JN, Conrad C, Hugh TJ, Garden OJ, Fan ST, Crawford M, Makuuchi M, Yokoyama Y, Büchler M, Padbury R. **Prospective evaluation of the International Study Group for Liver Surgery definition of post hepatectomy liver failure after liver resection: an international multicentre study.** *HPB (Oxford)*. 2017; doi: 10.1016/j.hpb.2017.11.007

Gomi H, Solomkin JS, Schlossberg D, Okamoto K, Takada T, Strasberg SM, Ukai T, Endo I, Iwashita Y, Hibi T, Pitt HA, Matsunaga N, Takamori Y, Umezawa A, Asai K, Suzuki K, Han HS, Hwang TL, Mori Y, Yoon YS, Huang WS, Belli G, Dervenis C, Yokoe M, Kiriyaama S, Itoi T, Jagannath P, Garden OJ, Miura F, de Santibañes E, Shikata S, Noguchi Y, Wada K, Honda G, Supe AN, Yoshida M, Mayumi T, Gouma DJ, Deziel DJ, Liao KH, Chen MF, Liu KH, Su CH, Chan ACW, Yoon DS, Choi IS, Jonas E, Chen XP, Fan ST, Ker CG, Giménez ME, Kitano S, Inomata M, Mukai S, Higuchi R, Hirata K, Inui K, Sumiyama Y, Yamamoto M. **Tokyo Guidelines 2018: antimicrobial therapy for acute cholangitis and cholecystitis.** *J Hepatobiliary Pancreat Sci*. 2018 Jan;25(1):3-16

Kung JWC, Parks RW, Ireland HM, Kendall TJ, Church NI. **Intraductal Papillary Neoplasm of the Bile Duct: the Role of Single-Operator Cholangioscopy.** *Video Gastrointestinal Endoscopy* 2018; 3: 55-57

Oniscu GC, Watson CJE, Wigmore SJ. **Redefining futility in DCD liver transplantation in the era of novel perfusion technologies.** *J Hepatol*. 2018 [Epub ahead of print]

Pruthi R, Tonkin-Crine S, Calestani M, Leydon G, Eyles C, Oniscu GC, Tomson C, Bradley A, Forsythe JL, Bradley C, Cairns J, Dudley C, Watson C, Draper H, Johnson R, Metcalfe W, Fogarty D, Ramanan R, Roderick PJ; ATTOM Investigators. **Variation in Practice Patterns for Listing Patients for Renal Transplantation in the United Kingdom: a National Survey.** *Transplantation*. 2017 Dec [Epub ahead of print]

Brzeszczyńska J, Meyer A, McGregor R, Schilb A, Degen S, Tadini V, Johns N, Langen R, Schols A, Glass DJ, Roubenoff R, Ross JA, Fearon KCH, Greig CA, Jacobi C. **Alterations in the in vitro and in vivo regulation of muscle regeneration in healthy ageing and the influence of sarcopenia.** *J Cachexia Sarcopenia Muscle*. 2018. 2018 Feb;9(1):93-105

GlobalSurg Collaborative. **Surgical site infection after gastrointestinal surgery in high-income, middle-income, and low-income countries: a prospective, international, multicentre cohort study.** *Lancet Infect Dis*. 2018. [Epub ahead of print]

Baillie JK, Bretherick A, Haley CS, Clohisey S, Gray A, Neyton LPA, Barrett J, Stahl EA, Tenesa A, Andersson R, Brown JB, Faulkner GJ, Lizio M, Schaefer U, Daub C, Itoh M, Kondo N, Lassmann T, Kawai J; IIBDGC Consortium, Mole D, Bajic VB, Heutink P, Rehli M, Kawaji H, Sandelin A, Suzuki H, Satsangi J, Wells CA, Hacoheh N, Freeman TC, Hayashizaki Y, Carninci P, Forrest ARR, Hume DA. **Shared activity patterns arising at genetic susceptibility loci reveal underlying genomic and cellular architecture of human disease.** *PLoS Comput Biol*. 2018 Mar 1;14(3):e1005934

Forsythe RO, Dweck MR, McBride OMB, Vesey AT, Semple SI, Shah ASV, Adamson PD, Wallace WA, Kaczynski J, Ho W, van Beek EJR, Gray CD, Fletcher A, Lucatelli C, Marin A, Burns P, Tambyraja A, Chalmers RTA, Weir G, Mitchard N, Tavares A, Robson JMJ, Newby DE. **18F-Sodium Fluoride Uptake in Abdominal Aortic Aneurysms: The SoFIA3 Study.** *J Am Coll Cardiol*. 2018 Feb 6;71(5):513-523

Abramowicz D, Oberbauer R, Heemann U, Viklicky O, Peruzzi L, Mariat C, Crespo M, Budde K, Oniscu GC; Descartes advisory board. **Recent advances in kidney transplantation: a viewpoint from the Descartes advisory board.** *Nephrol Dial Transplan*. 2018 [Epub ahead of print]

Paterson-Brown S. **Cost-effective surgery for better outcomes.** *Br J Surg*. 2018 Jan;105(1):11-12

Hughes M, Yim I, Deans DAC, Couper GW, Lamb PJ, Skipworth RJE. **Systematic Review and Meta-Analysis of Epidural Analgesia Versus Different Analgesic Regimes Following Oesophagogastric Resection.** *World J Surg*. 2018. Jan;42(1):204-210

Noble F, Lloyd MA, Turkington R, Griffiths E, O'Donovan M, O'Neill JR, Mercer S, Parsons SL, Fitzgerald RC, Underwood TJ; OCCAMS consortium. **Multicentre cohort study to define and validate pathological assessment of response to neoadjuvant therapy in oesophagogastric adenocarcinoma.** *Br J Surg*. 2017. Dec;104(13):1816-1828

Solheim TS, Laird BJA, Balstad TR, Bye A, Stene G, Baracos V, Strasser F, Griffiths G, Maddocks M, Fallon M, Kaasa S, Fearon K. **Cancer cachexia: rationale for the MENAC (Multimodal-Exercise, Nutrition and Anti-inflammatory medication for Cachexia) trial.** *BMJ Support Palliat Care*. 2018. [Epub ahead of print]

Baracos VE, Martin L, Korc M, Guttridge DC, Fearon KCH. **Cancer-associated cachexia.** *Nat Rev Dis Primers*. 2018 Jan 18;4:17105

Mohtar MA, Hernychova L, O'Neill R, Lawrence M, Murray E, Vojtesek B, Hupp TR. **The sequence-specific peptide-binding activity of the protein sulfide isomerase AGR2 directs its' stable binding to the oncogenic receptor EpCAM.** *Mol Cell Proteomics*. 2018, [Epub ahead of print]

Upcoming Events

NEW MSc Patient Safety and Human Clinical Factors

will launch in Sept 2017
To register interest and receive updates about the new MSc, including application deadlines, please visit

<https://www.surveymonkey.co.uk/r/PatientSafe>

NEW BMedSci

Professor Stephen Wigmore

The University of Edinburgh is moving to a new 6 year medical course. The new course includes a BMedSci year as standard which will form the 3rd year of the new curriculum.

As part of this we have had a proposal to deliver a BMedSci in Surgical Sciences approved by the Medical Teaching Organization. This will include a 10 week project in the second semester which would be ideal for literature review or data review type projects.

I am very keen for academic or NHS Colleagues who feel that they can supervise a project to send me their names and project titles ideally before September. I will send a reminder in the summer newsletter.

We are keen to improve the teaching experience for medical students and I would value your support.

Please email suggestions for projects to s.wigmore@ed.ac.uk or Murray.Britton@ed.ac.uk

PURE Reminder

Have you had a manuscript accepted for publication recently?

In order to increase the accessibility of Edinburgh University research, all manuscripts must now be deposited in PURE within **3 months of acceptance**.

Any publications not deposited in PURE within 3 months of acceptance will not be eligible for the next ref.

What do you need to do?

The Clinical Surgery Research Manager, Dr Katie Shaw, will deposit manuscripts in PURE on your behalf.

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



HealthyR: R for healthcare data analysis

The HealthyR quick start course suitable for beginners April 25-27th 2018 is now **sold out**. Future dates will be announced in due course; places sell out quickly so if you would like to register interest and receive notification of course dates and bookings opening please email Data Manager, Dr Riinu Ots (R.Ots@ed.ac.uk).

HealthyR+: Practical Logistic regression

A 1-day training course teaching use of R to perform logistic regression analyses and present the results. Suitable for those with some previous experience of R June 15th 2018, Chancellor's Building Bookings open soon via ePay, for more information email R.Ots@ed.ac.uk

Further information about both courses can be found on the HealthyR website

www.healthyr.surgicalinformatics.org

Items of News to Share?

If you have any items of news you would like to feature in this newsletter or events you'd like to promote please contact the Clinical Surgery Research Manager, **Dr Katie Shaw** (catherine.shaw@ed.ac.uk). The next edition will be published in Summer 2018.

Future Conference Submission Deadlines

Conference	Date	Location	Abstract Submission & Registration
American Surgical Association (ASA) http://meeting.americansurgical.org	19-21 April 2018	Phoenix, USA	Registration open
Royal Australasian College of Surgeons Annual Scientific Congress https://asc.surgeons.org	7-11th May 2018	Sydney, Australia	Registration open
Association of Surgeons of Great Britain and Ireland (ASGBI) http://www.asgbi.org.uk	9th- 11th May 2018	Liverpool, UK	Registration open
International Association of Medical Science Educators http://www.iamse.org/	9th -12th June 2018	Las Vegas, USA	Registration open
European Surgical Association (ESA) https://www.europeansurgicalassociation.org	11th- 12th May 2018	Trieste, Italy	Registration open
Association for Medical Education (AMEE) https://amee.org/conferences/amee-2018	25-29th Aug 2018	Basel, Switzerland	Registration open
4th Cancer Cachexia Conference http://cancercachexiasociety.org	14th -16th Sept 2018	Philadelphia, USA	30th June 2018
Great Britain and Ireland Hepato Pancreato Biliary Association (IHPBA) http://www.gbhpba.org.uk/conferences/	3rd - 7th Sept 2018	Geneva, Switzerland	Save the Date
The International Surgical Group (ISG) https://www.internationalsurgicalgroup.org	16-19th Sept 2018	Reykjavik, Iceland	Save the Date
Association of Upper GI Surgeons of Great Britain & Ireland (AUGIS) http://www.augis.org	19-21 Sept 2018	Edinburgh, UK	Save the Date
American College of Surgeons Clinical Congress (ACS) https://www.facs.org/education/clincon/future-clinical-congresses	21-25th Oct 2018	Boston, USA	Save the Date
British Hernia Society http://www.britishherniasociety.org	5th - 6th Nov 2018	Edinburgh, UK	Save the Date
Society on Sarcopenia, Cachexia & wasting disorders http://society-scwd.org	7th - 9th Dec 2018	Maastricht, Netherlands	Save the Date
14th Annual Academic Surgical Conference https://academicsurgicalcongress.org	5rd - 7th Feb 2019	Texas, USA	Opens summer 2018