CELEBRATING THE
STETHOSCOPE

The invention which has changed the workings of
the medical world and to this day inspires debate
A very warm welcome to all our readers and particularly our alumni. This is my first edition as editor of Medicine Matters and it is a little daunting to fill the shoes of Prof Peter Grant who has so ably provided leadership for the previous two years.

I joined the Medical School in April 2000 as Professor of Medical Education and Honorary Consultant Physician at Leeds Teaching Hospitals NHS Trust and learned a lot about the School by reading Medicine Matters. Communication with staff and present and previous graduates is an extremely important aspect of a vibrant medical school. I recognise that our readership has a wide range of interests and I want to ensure there is something for everybody. With this in mind I am keen to solicit your feedback. What do you like? What would you want to see more of and what perhaps is of less interest? If you can spare a moment to let me know your views then please email me at medicine@leeds.ac.uk or write to me at the Leeds Institute of Medical Education, Level 7 The Worsley Building, University of Leeds LS2 9JT.

You will notice that we have already made some changes to the layout. To enable us to include more features we have reduced the length of many of the contributions to the print and PDF versions. However, we have no intention of losing the importance of the in-depth comment we have within items like the inaugural lectures. Extended versions of these and other items will be available to view and read on our Medicine Matters online edition via Medium (https://medium.com/@MedMattersLeeds). Additionally, we have enlisted a number of student reporters – medical students who have a particular interest in writing and interviewing other students and Leeds staff, and you will read their pieces and also their book reviews in this and coming editions.

I hope you enjoy reading about the life of the Medical School both past and present.
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OTHER WAYS TO KEEP IN TOUCH
Are you on Twitter?
You can find us @LeedsMedHealth where we share news, views and details of events.
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[Image -9x564 to 421x850]

**RESEARCH OF THE FUTURE**

The Medical Research Foundation, charitable arm of the Medical Research Council, has launched its first ever national antimicrobial resistance doctoral training programme.

Leeds is among the participating universities and will recruit fully-funded PhD students to specialise in research in the field. They will contribute to the drive to find new antibiotics or ways to improve diagnoses of infections.

**VR SUPPORTS TEACHING**

Leeds Institute of Medical Education has signed a partnership agreement with Medical Realities Ltd for the development of Augmented and Virtual Reality (AR and VR) resources designed to support the teaching of medicine and surgery students and trainees.

The focus will be on developing resources which will support experiences where access would not normally be available to a medical student, as part of their clinical practice. The partnership will also extend the scope and range of material to other medical and healthcare specialties and areas appropriate to both undergraduates and trainees and evaluate their use in medical education.

**BURSARY WINNERS**

Extended Student-led Research or Evaluation Project (ESREP) students Lara Jackman and Emmanuel Ago (pictured right) won a joint bursary, and MRes student Naomi Egbivwie also won a bursary at the annual British Neuro-oncology Society (BNOS) meeting held during June in Edinburgh.

**AN EPIC OPENING**

In July we celebrated the opening of ePIC – Experimental and Preclinical Imaging Centre – a £6 million facility to study the hearts of mice. Under the leadership of Professor Jurgen Schneider, researchers will develop non-invasive imaging technology to investigate the progress of heart disease in rodents, which will hold important information about treating human heart disease.

For the opening, we welcomed Professor Metin Avkiran, Associate Medical Director of the British Heart Foundation, which has generously supported the creation of the centre.

**NEWS IN BRIEF**

**Professor Avkiran (right) with Dr Wulf-Ingo Jung, President, Biospin Preclinical Imaging Division, Bruker, who supplied the equipment for the centre**
COMMUNITY PARTNERSHIP BENEFITS STUDENTS

The School of Medicine has renewed a deal to allow student medics in the city, studying at the University of Leeds, to get placements with specialist teams at Leeds Community Healthcare NHS Trust during their training.

The Associated Teaching Trust Agreement will now remain in place for the next five years and will mean we can offer placements for our medical students in paediatrics, gynaecology and sexual health.

INTERNATIONAL AWARD FOR TRUDIE

Professor Trudie Roberts has been conferred as Honorary Doctor of Medical Education from the International Medical University, Malaysia (IMU). The award was made to recognise Trudie’s significant contribution to the development and growth of IMU, specifically the medical programme in her role on the Academic Council since 2005 and as Chair of the Professional Education Advisory Committee since 2013.

STUNNING PHOTOGRAPHY WINS ONCE AGAIN

Researcher, Fraser Macrae, has won the British Heart Foundation Reflections of Research photography competition 2017 for his image of a heart-shaped red blood cell.

Under the intense magnification of an electron microscope, Fraser spotted the cell that had become entangled in the net-like fibres of a blood clot, compressing it into the shape of a heart. This is the second time Fraser has won this prestigious award.

IMPROVING QUALITY OF LIFE FOR THE ELDERLY

Researchers led by Dr Andy Clegg, Senior Lecturer and Honorary Consultant Geriatrician at the Academic Unit of Elderly Care and Rehabilitation, and University of Manchester, in partnership with Age UK, have received £2.7 million of funding from the National Institute for Health Research.

This will help to develop and test a new type of care which aims to improve the quality of life for older people with frailty by giving them choice and control over decisions about their own health and wellbeing.

The new type of care, called personalised care planning, is designed to improve self-management skills and help older people with frailty to improve their wellbeing and thrive with the support of their community.

LAUNCH OF NATIONAL LIFESTYLE SURVEY

Researchers from Leeds Institute of Data Analytics, working with Leeds Teaching Hospitals NHS Trust, have launched a national survey to see if people would be prepared to allow their lifestyle data to be matched against their health records in the future.

The survey aims to gauge whether the public supports such large-scale data linkage and analysis and may herald the start of what could be the biggest investigation ever into the interaction between lifestyle and health, with scientists saying it could provide important insights into cancer, diabetes and cardiovascular disease.

JAMES’ AWARD FOR EXCELLENCE

Dr James Pickering, Associate Professor in Anatomy, has received a Higher Education Academy National Teaching Fellowship – one of the most prestigious awards for higher education teaching.

James (pictured left) has a longstanding interest in student education forged more than a decade ago when he taught anatomy to students during his PhD research. He has since developed his own teaching philosophy of innovating, integrating and researching the use of technology to support students’ learning.
CELEBRATING THE STETHOSCOPE

The stethoscope was invented just over 200 years ago by French physician, René Laennec. Since then it has become the badge of the doctor for the very good reason that it enables them to ‘see’ inside the chest. A series of events and activities have celebrated this invention which has changed the workings of the medical world and to this day inspires debate.

In actual fact, when using a stethoscope, the ‘seeing’ is done by listening. The doctor hears the heart beating and the lungs expanding and contracting, and interprets their sounds to come to a diagnosis. Laennec designed a device which was essentially capable of ‘seeing’ inside the body.

The University of Leeds has a Laennec pattern stethoscope, one of very few in the world.
The Leeds Laennec was identified and rescued just in the nick of time and could have faced the skip were it not for the bravery of some PhD students. The item belonged to a neglected collection housed in the Algernon Firth building, which was closed in 2008 and earmarked for refitting into student accommodation. Ahead of the arrival of the wrecking balls, legend has it that Mark Steadman, a PhD student, and friends abseiled into the building and saved the stethoscope and other precious items from destruction.

Now safely rehomed in the Leeds Museum of the History of Science, Technology and Medicine at the University, this humble, handcrafted wooden item was the catalyst for a plethora of activities that involved staff and students from three Faculties of the University.

To understand more about the stethoscope and how it works, colleagues from the Faculty of Engineering were able to take measurements and recreate 3D-printed working models of the original. These took a staggering 10 hours to make and involved printing 1,923 layers – quite a different approach to Laennec who would turn wood by hand to create his models.

Students from the School of Performance and Cultural Industries within the Faculty of Arts, Humanities and Cultures devised and delivered educational theatre projects based on public health narratives around the time of the stethoscope’s invention. Through their performances they engaged around 500 students from schools across Leeds and received great reviews.

One of the highlights was a visit from Jacalyn Duffin MD, Laennec’s biographer. Jacalyn conducted a number of talks and seminars with students and a public lecture on her work around Laennec.

During her visit she was able to examine the Leeds model to answer the longstanding question of whether the item was a genuine Laennec – or otherwise. No spoilers here; read more about her perspective via our brochure which is available online – see box below.

The landmark event was the debate on the future of the stethoscope which involved colleagues from the School of Medicine and NHS clinical colleagues. Audience members were asked to vote after hearing opening statements and then at the conclusion of the debate. Needless to say, those in favour of moving on from the use of the stethoscope gained some interesting ground from the traditionalists who joined the debate.

The brochure, Celebrating 200 years of the stethoscope - How doctors learnt to see with their ears can be downloaded from our website https://goo.gl/Vc3AZh
ADMISSIONS
BY HENRY MARSH

Review by Francine Cheese

Admissions, the second memoir by Marsh, and a title which reflects the very personal musings, as well as poignant case studies, has a clever way of resonating with everyone, layman or healthcare professional alike. Opening with a quote – ‘Medicine is a science of uncertainty, and an art of probability...’ – this book is another candid journey through the science and logistics of brain surgery mixed in with a brutally self-effacing narrative of successes and failures.

This book makes for an interesting read. It is refreshing to read the accounts of a doctor so honest with his mistakes, and so aware of his own shortcomings.

Read Francine’s review in full via our online edition https://goo.gl/3NJBsb

DO NO HARM
BY HENRY MARSH

Review by Aiknaath Jain

“If the operation succeeds the surgeon is a hero, if it fails he is a villain.”

Neurosurgeon, philosopher and humanitarian Henry Marsh’s brutally frank but humorous account of his time slaving under the bureaucracy-driven NHS is a unique feat of literary brilliance. One that I thoroughly recommend to both non-medic and medic alike.

Do No Harm has a simple but unique premise: What if one neurosurgeon wrote his experiences, thoughts and opinions in an honest accessible format? Why no one has ever written with such truthfulness about this profession is unbeknownst to me and a question that I find myself pondering with animosity routinely. As such, I am filled with an immense sense of gratitude, that Marsh has taken the first step into giving us an unvarnished exploration into the life of not just a doctor but a remarkable individual.

Read Aiknaath’s review in full via our online edition https://goo.gl/ApU3K2
ELLA’S GIFT FOR CANCER RESEARCH

Research into a deadly blood cancer is to be boosted by a charitable trust established in memory of a Yorkshire mum who died of the disease.

Ella Dickinson’s family has farmed the West Yorkshire countryside for generations; their Longley Farm dairy near Holmfirth was established in 1948 and has grown into an international business. When Ella was being treated for myeloma at St James’s Hospital in Leeds, she was determined to give every support she could to finding a cure.

Ella died in 2012, and now her husband Joseph and children Jimmy and Sally have set up the Ella Dickinson Memorial Trust to push forward research into the condition.

Her care was headed by consultant haematologist Dr Roger Owen, who divides his time between frontline treatments for patients at St James’s and research in the University of Leeds laboratories to deepen our understanding of the disease – and seek out a cure.

Now a gift of £500,000 will establish a scholarship programme to enable outstanding young researchers to join Dr Owen and his colleagues in their fight against the disease. The first Ella Dickinson scholar is Nicole McDermott from Teesside, who has joined the team to study for a PhD analysing plasma cell cancers.

It was during a placement examining the side-effects of chemotherapy during her undergraduate studies at the University of York that Nicole first became interested in research. She is now part of Dr Owen’s team and says: “I wouldn’t have been able to study for a PhD without this scholarship, so I’m really grateful to the Ella Dickinson Memorial Trust for this opportunity. It’s really exciting to know that I will be working towards the end point of helping people to fight disease. Without funding, research like this just wouldn’t get done, our knowledge would stagnate, and the new treatments wouldn’t develop.”

Dr Owen expressed his thanks to the family: “We are hugely grateful to the Dicksons for their generous support.

The scholarship programme will contribute significantly to our research efforts in myeloma and related diseases. Through this long-term programme of scholarships we also hope to be able to develop young researchers into future academic leaders.”

The Trust’s support for six PhD Scholarships over the coming years extends a connection between the Dickinson family and the University of Leeds which stretches back for generations.
During 2017 we held a Technology Enhanced Learning Showcase event to highlight how we build the use of new technology into our curriculum.
It’s a startling fact that most of our current students were born in an internet age. The availability and sophistication of technology has dramatically expanded over the last decade, permeating our daily lives, from the ubiquitous presence of smartphones, to the use of virtual and augmented reality.

Today’s students expect to encounter technology to support their learning. We believe we meet and exceed those expectations, utilising their smartphones but also providing access to facilities and equipment far beyond the ubiquitous.

We believe too that we are leaders in this field; technology enhanced learning is present, in diverse forms, in most of our programmes of study. We believe it is essential to provide a curriculum that integrates the latest technology into our undergraduate and postgraduate programmes, equipping our students, and the next generation of healthcare professionals, with the necessary skills to enter the ever-changing workplace.

The use of technology is about preparing our students for the future. From dentistry to midwifery; from ultrasound to haptics, the use of technology is a valuable tool to support learning. Its use is measured and evaluated so we know what works, and importantly, what doesn’t.

Only by understanding the impact of technology on our students can we adapt and innovate for the future. This event was the start of more conversations and collaborations to help us shape the student experience for the future.

“We believe it is essential to provide a curriculum that integrates the latest technology into our undergraduate and postgraduate programmes, equipping our students, and the next generation of healthcare professionals, with the necessary skills to enter the ever-changing workplace.”

The Anatomy Education Podcast is a new project that aims to share the latest news, views and opinions on anatomy education from around the world. Each week Dr James Pickering, Associate Professor in Anatomy, interviews an anatomy educator on their background, anatomy teaching and educational scholarship. The podcast features a number of episodes and is developing into a broad collection that includes international anatomists and cognitive psychologists on current approaches to anatomy education.

For more information visit the website and subscribe to the series using the links below:

Website: www.anatomypodcast.co.uk
Twitter: @AnatEducPodcast
Subscribe on Android via Stitcher: https://www.stitcher.com/podcast/james-pickering/anatomy-education-podcast
We recognise that the intensity of the normal working day means that students may not get as much direct observation at examining patients or taking focused histories. To help students develop these essential skills we have introduced masterclass teaching.

During these Masterclasses small groups of students can be taught these fundamental skills in a relaxed and supportive environment and receive personalised feedback.

We are looking to recruit recently retired clinicians from either a primary or secondary care background who are willing to contribute to a session or even two sessions per academic term. You can teach whichever areas you feel comfortable with and we will supply the patients, students and refreshments.

We are unable to pay you for these sessions but we can cover travel expenses. The sessions are run on Friday mornings at St James’s Hospital Clinical Practice Centre.

If you would like to have a no obligation conversation about getting involved please contact Janet Cassie by email J.A.Cassie@leeds.ac.uk or call 0113 206 7254.
The hospice, the largest in Yorkshire, marked its new status at a launch event in September, which has been supported by NHS Health Education England and reflects the long-standing relationship between St Gemma’s and the University of Leeds, providing a stronger platform for teaching and research in the future.

The hospice has provided university teaching and training in the form of a postgraduate healthcare course for more than 20 years and works with around 200 medical students per year to develop their skills in this area. The new permanent extended relationship provides increased capacity for Leeds students to study palliative care in practice at St Gemma’s as part of their degrees.

The relationship also helps to raise the profile of palliative care research nationally and internationally, ensuring the sector has a continued flow of expert medical and managerial personnel, which is a key feature of the new relationship.

Students Dayna Francis and Carolina Franco Da Silva went along to the launch event to interview members of the team at the hospice. You can read more via our online edition https://goo.gl/bhbq1r.
The School of Medicine Professionalism Ceremony for Year 3 MBChB and Physician Associate students took place at The Great Hall in October.
The ceremony is an annual event that provides the opportunity to celebrate the efforts of students in their studies so far and remind them of their professional duties as clinicians. As the students see their peers in other faculties graduate ahead of them, this ceremony is well timed to offer some added inspiration and encouragement.

The event included keynote speeches from Miss Shireen McKenzie and Professor James Drife and a number of prizes were awarded.

This year the University main Instagram featured an image of students gathered outside The Great Hall following the ceremony as its image of the day. The image has received over 1,800 ‘likes’ and numerous comments. There was quite a buzz in the area as passers-by became curious as to what the ceremony was about.
BREATHING NEW LIFE INTO THE WORSLEY BUILDING

The £43m renovation works for the Worsley Building are nearing completion and have transformed the interior or many parts of this iconic 1970s building.

The new collaborative working environment and dynamic public spaces that have sprung up are supporting creativity and innovation, increasing social connection and contributing to building a sense of community for staff and students across the Faculty. Full-scale wall graphics, sculptures, tactile fabrics and creative use of colour have instilled vibrancy within the grey, concrete building facade.

At its heart, the Pure Café on level 9 has been awarded a TUCO (The University Caterers Organisation) award for innovation and has been successful in supporting social and workplace connections. All available space, no matter how small, has been developed to become shared space; perch tables, soft seating and collaborative pods have been created in unexpected places to enhance the student experience. Collaborative meeting spaces, video conferencing technology, open-plan offices and multiple breakout spaces have transformed both the working environment and the way in which people work.

REFURBISHMENT BY NUMBERS

18 group working pods
300+ shared seating spaces
28 shared meeting rooms
200+ metres of wall graphics
58 stools with perch ledge seating
I arrived in Leeds to start my Consultant post in 1998. I joined a very busy HPB and Transplant Unit which is now one of the largest centres in Europe. We have always been a leader in major liver surgery, often dealing with cancers turned down in other units.

In transplantation we have often lead the field. In 2007 we performed the first NHS live donor liver transplant and since that time we have completed over 70 cases and remain the leading centre in the UK for live donor liver surgery.

We have just been awarded a £4m grant from NIHR Health Technology Assessment Programme

For some years I have been working in collaboration with Professor Mark Hull looking at other ways of treating colorectal liver metastases. We have recently shown a patient survival benefit with patients taking Omega 3 fish oil and now have funding for a multicentre trial.

Another area of interest is my collaborative work with Professor Alan Melcher. Viruses are nature’s self-replicating nanoparticles. Mr Rob Adair published in Translational Science showing the incorporation of reovirus in the liver metastases of patients injected with the virus preoperatively.

Patients with gallstones are probably over-investigated in the UK with MRCP. We have just been awarded a £4m grant from NIHR Health Technology Assessment Programme to run a randomised study to see if these scans are really necessary. This trial has the potential to improve patient experience and save the NHS lots of money.

In 1984, I played for Combined Universities against the touring West Indians, one of the best sides of all time. I was surrounded by world-class players when standing for the team photo (see pictures below).

Here in Leeds I still feel I am surrounded by outstanding people both in the Trust and University, a great place to work.

Read more about Professor Toogood’s lecture in our online edition https://goo.gl/Bxa6t
45 years since qualification, but 50 since members of the alumni community started at Leeds Medical School as students, the class of 1972 began their reunion by visiting the Thackray Medical Museum. In their day this housed the geriatric wards and many older patients were very reluctant to be admitted or transferred there because they could remember that it had previously been the workhouse.

In the evening the group enjoyed a reception and dinner at Weetwood Hall Hotel – which in their day was a women’s hall of residence. After dinner the entertainment included a series of people talking about their lives in ‘45 years in 5 minutes’ and toasting absent friends.

The group photo (above), taken by Allan Harris, includes 28 alumni from the year in which 80 graduated and a photo taken on the Parkinson Steps after the last exam of finals in 1972 – with some even standing in the same places.

The group is looking forward to the next event, which will be an informal lunch in spring 2020.

Joan Gaunt, Class of 1972
CLASS OF 1957 RECEIVE SURPRISES AT THE 2017 PROFESSIONALISM CEREMONY

The Class of 1957 returned to campus to receive surprise awards at the 3rd Year’s Professionalism Ceremony in October 2017.

Brian Whittaker and John Chippindale thought they were attending to represent the School of Medicine Alumni, but instead were presented with awards to reflect their ongoing commitment to current students at the School.

Brian and John looked very shocked and surprised to hear their names announced, but made up for it with a fitting celebration at the reception that followed the event.

DIAMOND REUNION OF THE CLASS OF 1957

60 years since qualification and 66 years since their Freshers’ conference, members of the Class of 1957 returned for a two-day reunion in Leeds.

Whilst here they enjoyed a guided tour of the University including the new Laidlaw Library – thanks to Laura and Megan of the Alumni Department – as well as taking in the Royal Armouries Museum and travelling by water taxi.

Organiser John Chippindale also arranged dinners in a private room in the Queen’s Hotel and the group has plans to meet again this year.
“One dull October day in 1962, I boarded a steam train at King’s Cross (with my mother weeping on the platform) and journeyed to Leeds… My digs were in Chapeltown with a Polish landlady – how exotic that was then. I had the inevitable salami and potatoes for supper. The last shovel of coal went on the fire every evening at 7pm.”

Alex Hall

“I had digs in Kelso Gardens with an Austrian couple who were wartime refugees. The landlady had been a tailoress and taught me to make clothes. She was also a wonderful cook, especially of pancakes Austrian-style. Nothing could have been more welcoming for my first time away from home at 18. As well as friendships that have lasted a lifetime, Leeds gave me a wonderful medical education, leading to a rewarding career. We were all so lucky to have those years in Leeds.”

Lucia Birchall, nee Jones

“It was October 1962. The words delivered with a Scottish brogue by a seemingly ancient, somewhat stern New Zealander, called Professor Archibald Durward. One of the last gross anatomists, he had followed the likes of Hunter, Gray and Cunningham. Looking back after 55 years it is hard to believe ‘Archie’ was only 60; he would be dead within 2 years.”

John D Fenwick

“How do you sum up 5 years that set the course for the rest of your life? My memories include shock at the abject poverty of the streets around the medical school, the smell of the dissecting room, the kindness of Daddy Walls, the fear induced by the Cuban Missile Crisis in our first term, then the long freezing winter of 1962-63.”

Sharon Hancock, nee Morris

“I came up for my interview at the old medical school by steam train from King’s Cross. The journey took just three hours. I remember giant slag heaps at Doncaster and obvious poverty. I also remember a friendly welcome. Next time I came up in order to sort out accommodation, I hitch-hiked and spent a night on a bench on Pontefract racecourse. I found digs in Edwin Road with a Polish family. They had a harrowing tale to tell. They made me feel welcome and I stayed there for three years.”

John Hancock
“Sharing digs with English student Janet and having to pile more clothes on to go to bed as icicles developed on the skylight… The wit and humour of the Yorkshire male patients we took histories from and examined… The joy of finally qualifying.”

Cathleen Sharpe, nee Jennings

“Going to the pub down the road one day each week at lunchtime before Professor Frank Happold’s biochemistry lectures because we needed something to assist understanding… Being stunned when I went into practice in the South Lakes to find he was my patient!… Filling the glass bowl around Lord Moynihan’s bust on the stairs with water and fishes.”

Mike Warren

“I excelled by getting 28% for my first anatomy exam… I did improve. The medics concerts were a real highlight.”

Angela King

“My clinical teaching from 1964 involved tutorials and attachments at the LGI, St James’s and Hyde Terrace for obstetrics. A number of the consultants had been prisoners of war in World War II and brought a wealth of practical experience to their teaching.”

Richard Wray

“I remember our first morning. We went to anatomy and the prof spent 20 minutes telling the men how they were to dress and behave. He said people seeing us coming to the medical school would know we were the doctors of the future. He then turned to the girls. I think there were about nine of us and he seemed lost for words. He then said: “You girls must work out the equivalent of what I said to the men and wear that.”

Margaret Hodson
I am honoured and humbled to give my inaugural lecture which gives a synopsis of my journey so far, my vision and my passions. It also takes you through the humble beginnings of orthopaedic surgery as a speciality and current areas of growth and research in this field.

I came to the UK in 1995 and, having trained in the Wessex region, joined the University of Oxford in 2000 as a clinical research fellow. Over the coming years, I completed my D Phil in knee kinematics and worked my way towards securing a recognition of distinction and title of Professor of Orthopaedic Surgery at Oxford in 2016. I took up the post of Professor of Orthopaedics and Honorary Consultant at Leeds Trust in October 2016. My research interests have been primarily in the areas of osteoarthritis, joint replacement, how to monitor and optimise patient recovery and improving patient outcomes. I also work in low and middle income countries, in particular in sub-Saharan Africa, where the main area of my work is to reduce the impact of trauma and develop ways to improve patient outcomes with limited resources.

I am passionate about teaching and training. Over the past 12 months, I have secured various research and industry grants and developed key partnerships locally, regionally, nationally as well as internationally. I am looking forward to making a positive impact in my field of expertise and welcome multidisciplinary research opportunities.

Read more about Professor Pandit’s lecture in our online edition https://goo.gl/Kgs1jc.
For some of our medical school staff, utilising their professional skills for worthwhile causes is one of the most rewarding aspects of being medically qualified. Professor David Cottrell is a long-standing volunteer for Festival Medical Services, a charity that co-ordinates health professionals at events with excess proceeds donated to support healthcare in sub-Saharan Africa and South Asia.

Through the charity, David has been a long-standing volunteer in the medical tent at the Glastonbury Festival. The health service at Glastonbury runs much like a mini version of our NHS, with GPs, outreach care, paramedic staff and then the more hi-tech side in the hospital tent, where more complex diagnostic equipment and things like X-rays are available. The hospital service runs much like any other hospital aside from being in the middle of a muddy field.

Patients are brought in by ambulance, or they walk through the front door and register at the makeshift reception and wait for triage by the experienced nurses and treatment by one of the A&E or psychiatry consultants and their teams before being discharged back into the community, or in this case a muddy field.

David’s role involves working as a Consultant Psychiatrist and tending to patients with conditions ranging from drug and alcohol intoxication, to those needing support for pre-existing mental health problems. This is just a small part of the job of Professor Cottrell, who has spent a week every year for the last 15 working out of the hospital marquee at the festival so that he can, in his words, “give something back”.

Student reporter Sophie Griffin met with Professor Cottrell to talk about his experiences and you can read more via our online edition https://goo.gl/shJzsB.
MEET THE EXSEL SCHOLARS

The Excellence in Scholarship, Enterprise and Leadership (EXSEL) scholars are undergraduate medical students with research ambitions to become academic clinicians who are supported via a bursary to conduct research during vacation time.

The latest scholars appointed are third-year medical students Joe Hart, James Manning, Tobias Mill and James Nicholson. The scholarships of James Manning and James Nicholson are sponsored by Heart Research UK and those of Joe Hart and Tobias Mill by alumni donations and legacies.

The research of James Manning is supervised by Dr Marc Bailey and uses new technology to investigate endothelial cell function. This research is important in understanding how diabetes affects blood vessels. It aims to explore the mechanisms of diabetic complications.

James Nicholson is researching the role of fibrin structure in the breakdown of blood clots. Some clots are resistant to natural breakdown and the consequence of this resistance could be stroke or heart attack. James’s research is supervised by Professor Robert Ariëns.

Joe Hart is exploring molecular changes in Alzheimer’s disease by investigating calcium signalling in pericytes using a novel transgenic Alzheimer’s disease model in the laboratory of Professor Chris Peers.

Pictured in the research laboratories of Leeds Institute of Cardiovascular and Metabolic Medicine are (from left) James Manning, Katy Gray (Heart Research UK) and James Nicholson.
Tobias Mill is focused on the early diagnosis of acute kidney injury (AKI) and he is supervised by Professor John Colyer (Faculty of Biological Sciences) and Dr Andy Lewington. The research team has identified a novel protein biomarker of AKI which has promising clinical implications.

**This year’s scholars are two promising students whose work is very likely to lead to advances in cardiovascular healthcare, which will benefit us all.**

Professor Shervanthi Homer-Vanniasinkam, EXSEL co-Director, said: “We are delighted and very grateful that, once again, HR UK has so generously supported the EXSEL scholarship programme. This year’s scholars are two promising students whose work is very likely to lead to advances in cardiovascular healthcare, which will benefit us all.”

If you would like to make a donation to the EXSEL scholarship programme please contact the Alumni and Development Team https://alumni.leeds.ac.uk/givingtoLeeds or contact Caroline Bartholomew on 0113 343 2347.

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**LEEDS MEDICS AND DENTISTS FC**

The club has four male teams in the Yorkshire Amateur League, one student team in the University of Leeds intramural league and one women’s team in The West Riding Girls Football League.

**Interested in joining?**

Email: leedsmedicsfixtures@yahoo.co.uk or find the team’s page on Facebook: https://en-gb.facebook.com/leedsmedicsfc/
ALUMNI AWARDED LAMBETH CROSS FOR CONTRIBUTION TO ECUMENISM

Emeritus Professor of Clinical Medicine at the University of Leeds, Professor Peter Howdle, has been awarded the Lambeth Cross for Ecumenism by the Archbishop of Canterbury, the Most Revd Justin Welby.

Peter was a former Vice-President of the Methodist Conference (2002-2003) and received the award for “his outstanding contribution to Anglican-Methodist relations” following his dedication to the cause over the past 15 years.

Following the signing of an Anglican-Methodist Covenant between the Church of England and the Methodist Church, in 2003 Peter was appointed co-chair of the Joint Implementation Commission (JIC), which sought to develop Anglican-Methodist relations.

Through his continued efforts Anglican-Methodist relations have shown significant improvement over the years and he is now developing proposals for the interchangeability of ministry between the two Traditions through the Joint Faith and Order Ministry and Oversight Group.

On receiving the award, Professor Howdle said: “I’m delighted to receive this award and feel very honoured. I feel that it reflects the importance of the work of the JIC and is a great encouragement to local ecumenism.”
A big thank you to Trudie Roberts for taking over from Peter Grant as the new Editor of Medicine Matters. Like Peter before her, each new Editor brings new ideas and I hope you like the revised format and content.

We live in times of unprecedented change; Brexit and its uncertainties, ongoing higher education reform with the Higher Education Funding Council of England (HEFCE) becoming the Office for Students (OfS) in March to coincide with the launch of the UK Research Institute that will now be the home for our research funding councils and Innovate UK. Add to this an NHS that, despite working at ever increasing levels of efficiency, cannot keep up with demand, at least with its current resource allocation, as well as a looming pension crisis, and you have an unsettling time for our students and staff.

It is therefore with even greater pride that I share with you some of the recent successes of the Medical School and wider University. On the back of our University of the Year 2017 status, the School continued to attract high-quality applications and excelled in its widening participation programme. Accolades to the School and our students (some of which are detailed in this edition) are numerous and significant – all of which contributed to the University being awarded Gold status in the externally assessed Teaching Excellence Framework with “students from all backgrounds achieving consistently outstanding outcomes supported by outstanding physical and digital resources.”

(See: https://goo.gl/Ut6Ghw)

On research we had our most successful year ever; nearly £60m of new research awards to address greater understanding of disease mechanisms, novel diagnostics, evaluation of new medicines and behaviours, technological innovation – notably in imaging, digital health and surgical technologies – all with the aim of improving patient and population health and outcomes. Research-embedded education remains at the forefront of our Medical School philosophy and ensures that each of our students on moving into the medical profession is fully equipped, not only to deliver outstanding patient care, but also to help shape the future of medicine.

Finally, our estate. 2017 saw the completion of the £43m upgrade to the Worsley Building – the largest refurbishment ever undertaken across the University. It has been transformative to staff and students alike and we now have a home for the School we can all be proud of. We are not complacent; you may have heard about the proposed expansion in medical student numbers across England and I hope to be able to tell you how Leeds will play its part in our next edition of Medicine Matters.

I thank you all for your ongoing support.

Paul M Stewart