



Edition 37 – June 2018

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Head of School



We've had some important and very pleasing news since the last edition of MedNews. HEFCE, in its final week of existence, announced the allocation of the additional medical student numbers in England. By September 2019 the intake of home students to study Medicine

at Keele will have risen by 35, an increase of 29% on our current home intake. This increase is exactly what Keele bid for and represents recognition of our work in widening participation, our record of education within Primary Care and our excellent performance metrics.

The HEFCE announcement included further excellent news for Keele: Sunderland University has successfully bid to develop a medical school with the support of Keele, adopting the Keele medical curriculum. Sunderland will admit 50 students in September 2019 and 100 from September 2020 onwards. This success is very gratifying and represents an exciting extension of the influence of the School in the education of doctors nationally.

I am very grateful to everyone who worked on the bid. Going forward, the success of both bids brings financial benefits but also further challenges for all of us in the School. I appreciate that this represents new work for School members but I believe it will be interesting and fun, as well as extremely worthwhile.

Professor Andrew Hassell, Head of School

School News

Thanksgiving Service for Donors

Keele University School of Medicine held a Thanksgiving Service on Wednesday, April 25th to honour those who have donated their bodies to science.

The service recognised the generous people who have bequeathed their bodies during the past four years, helping support medical and scientific teaching, training and research at Keele University.

The chapel was filled with family, Keele staff, students, and invited guests giving thanks for the generosity of the donors. Professor Andrew Hassell, Head of Keele's Medical School, welcomed the visitors and thanked them for supporting the study of human anatomy. The Deputy Mayor of Newcastle-Under-Lyme and the Lord Mayor of the City of Stoke-on-Trent also spoke at the ceremony, along with Ruth Pickles, representing the Methodist, Baptist and United Reformed Churches.

The names of all those who donated their body over the last four years were read out by current medical students, who also lit candles in their memory.



Paul Clews, Anatomy Manager, said: "We are very grateful to those individuals who donate their bodies to us, supporting the medical and scientific teaching of the next generation of medical professionals, and we are delighted by how many people came to pay their respects to those individuals. The service is an opportunity to publicly acknowledge and honour our donors, their family and friends."

Major Incident Surgical Trauma and Teams

The Anatomy Suite hosted a 4-day trauma course from 15th May - Major Incident Surgical Trauma and Teams (MISTT). The aim of the course is both to develop the surgical skills required by major incidents (such as the Manchester bombing last year), and to promote collaborative working between the various emergency services by identifying lessons from previous major incidents and building on good practice.

The first two days were spent in the Anatomy Lab, developing surgical trauma skills on the types of injuries that are typically found in the aftermath of major incidents. The following days were spent in lectures on interdepartmental cooperation during mass casualty events, and included a presentation from the police on the threat environment. Other sessions included the organisational pressures surrounding incident management and presentations from Defence Medicine experts. The event also included the launch of the new NHS Clinical Guidelines for use in a Major Incident / Mass Casualty event, as well as "The First Hour in the Emergency Room" - new guidance on Triage.

Ormiston Academy Visit



On 8th March 2018 (International women's day), two members of the Athena SWAN committee Tracy Lovatt (pictured) and Lisa Dikomitis visited Ormiston Academy, a secondary school in Stoke-on-Trent. They presented a one-hour

workshop on women's careers in Science, Technology, Engineering, Maths, and Medicine (STEMM). The visit was arranged with the aim of inspiring and motivating young women to pursue a career in STEMM.

Comment from a year-9 girl from Ormiston Academy, Stoke on Trent...*"Your talk was so motivational, it has inspired me to go into the real world and know that women can do anything they want to...anything they put their mind to"*.

Libby Plant, PA to Director & Deputy Director of Postgraduate Programmes

Brazilian Student Visit

The School of Medicine has continued its Global Health strategy by hosting a three week placement visit for four medical students from Botucatu University, Brazil during May. The aim of the visit was to further their knowledge of the UK National Health Service. The students were based on campus and the placement included time at the Royal Stoke University Hospital and at local general practices. Whilst on their placement at the hospital, the students shadowed fourth year medical students. They were able to attend a selection of seminars, clinics, ward work and skills sessions and were able to see both how their native health system varied from the UK model, and also how medical education varies internationally. The students have said of their experience:

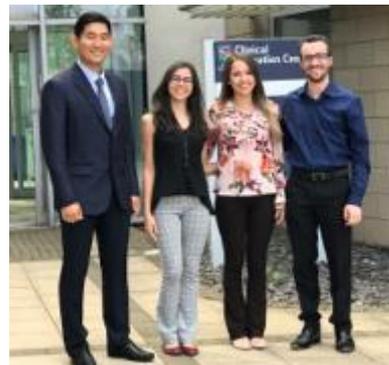
"As a group of four students from another country, we arrived at Keele University with lots of expectations about how the University and the Healthcare System would work, including its pros and cons. We really liked the organization of the NHS, and the high availability of brand new technology. We enjoyed getting to know how well-

structured the primary, secondary and tertiary care are, how they have clear functions and their interaction with each other.

"We were really impressed with the wards, the organization of the team and how many employees are present and their functions.

"We also experienced the difference in the profile of diseases in the UK compared to Brazil. In the UK there's a high prevalence of chronic diseases and a lot of comorbidities while in Brazil there are more acute diseases with a tendency of changing in the upcoming years.

"We learned way more than books could teach us. We had a great opportunity of living a reality different from ours and we will definitely come back to Brazil with new perspectives."



From left to right: Ha Ram Kang, Isabella Goncalves Pierri, Isabelle de Faria Oliveira Marcelo Chiantelli de Oliveira

Postgraduate Update

Funding awarded to optimise technology interventions

A project aiming for a personalised approach to the restoration of arm function in people with high-level spinal cord injury has been awarded £387k of funding by the EPSRC. The project, led by Dr Ed Chadwick of ISTM, will focus on developing new methods to optimise technology interventions such as functional electrical stimulation, to enable people with paralysis of their arms to move again.

Joint Sparks & GOSH Grant Award

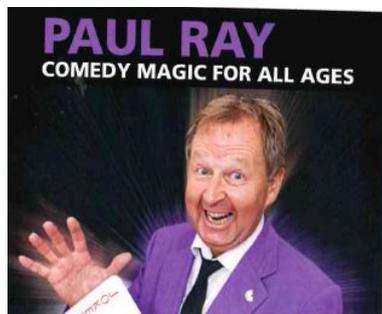


The ISTM are delighted to announce that Keele Lecturer in Medical Science, Dr Heidi Fuller, based in the Wolfson Centre for Inherited Neuromuscular Disease at RJAH Orthopaedic Hospital, Oswestry, has been awarded a Joint Sparks and Great Ormond Street Hospital Children's

Charity grant. This 3 year grant, worth in the region of £193,000 was for her research project "Therapy development for children with motor neuron disease". This is one of the very first projects to be funded since the first approved treatment for spinal muscular atrophy came out last year so it's a great achievement. Dr Fuller's research uses cutting-edge quantitative mass spectrometry and proteomics tools to study neurological disease, in particular spinal muscular atrophy (SMA). By combining these unbiased techniques with targeted bioinformatics and biochemical analysis, Dr Fuller's aim is to understand disease mechanisms and to identify novel proteins and pathways that can be modulated by drug treatment.

News from Shrewsbury and Telford Hospitals

Magical Clinical Dinner in Shropshire Education and Centre on 8th January



SaTH held a Magical Clinical dinner to brighten up dull January!

Dr Perks excelled himself organising a very enjoyable evening for both students and staff. We were delighted that several members of staff from the Medical School were also able to join us.

The evening started with a lovely meal in the restaurant, where the magician came around and performed some amazing tricks at individual tables, which caused lots of mesmerised individuals trying to fathom out how it could have possibly have been done!

Dr Coventry updated the audience on the magic of Keele; changes happening in the future and the present landscape of medical training.

"Making fat disappear" was the next very interesting talk by Mr George Kirby ...providing an insight into bariatric surgery.

After which Paul Ray captivated the audience with several magical tricks; the mystery of the missing £20 note belonging to Dr Bateman which was set alight and then magically turned up in the middle of a lemon; Eleanor Cross bravely volunteering for the sword treatment.

Everyone found the evening very enjoyable and a very big thank you to Dr Perks, who not only organised it, but sourced the accompanying light show and even gave us some of his disco moves at the end!

Congratulations

Dr Patricia Gibson and Dr Andrew Cowley who recently married in beautiful Mexico.

Making SaTH future fit

As everyone knows, the debate about the future of our hospitals has been making headlines for a long time. But, finally, there is some tangible - and very good - news.

The Government has confirmed that it has approved over £300 million of investment into our two hospitals to take forward the plans drawn up under the NHS Future Fit programme.

That means we can now go out to speak to the public - the people we serve - to find out what they really think about the plans that have been drawn up by clinicians to provide the best possible healthcare not only for this generation, but for generations to come.

We believe the plans for a single emergency site and a separate planned care site, supported by 24-hour-a-day Urgent Care Centres at both of our hospitals, will not only improve outcomes for our patients, but will also improve conditions for you and help us to recruit the best new staff to support the incredible work you are already doing in what we all know are difficult conditions.

It's taken 12 years to get to this stage and I look forward to hearing the views of the public. Find out more at www.nhsfuturefit.org

Simon Wright, Chief Executive, SaTH

SaTH's #NHS70 Fun Day plans

Bubble football, a Nerf gun arena, Army medics, music and food, including a barbecue provided by Rapid Relief Team – these are just some of the attractions that will greet visitors to a special charity fun day which will celebrate the 70th anniversary of the NHS. The event will be held at the Royal Shrewsbury Hospital (RSH) on 7 July, just two days after the NHS's big birthday.

The NHS turns 70 on 5 July, making it the perfect opportunity to celebrate the achievements of one of the nation's most loved institutions and to thank the extraordinary NHS staff.

Julia Clarke, Director of Corporate Governance at SaTH, which runs RSH and the Princess Royal Hospital in Telford, said: "Our plans to celebrate the 70th anniversary of the NHS are coming together very nicely. As the trust which runs the county's acute hospitals, we see ourselves very much as part of the community, which is why we wanted to invite people to come here and celebrate with us. The fun day will have something for everyone. As well as all the things you would expect to see at a fun day, such as a bouncy castle, there will also be a focus on the NHS with memorabilia from the last 70 years. On top of this, there will be the charity fun run, which will support the SaTH charity."

The fun day will also see the unveiling of a sculpture which is being created by British Ironwork Centre near Oswestry. The sculpture, which will take the form of a heart, is being created using old pieces of equipment that can no longer be used or repaired, such as obsolete blood pressure monitors, parts of hospital beds, surgical hands, microscopes, a former anaesthetic machine, a broken dialysis machine and wheelchairs.

More information about the fun day, and other plans to celebrate the 70th anniversary of the NHS, can be found at www.sath.nhs.uk/nhs70

#Hellomynameis campaigner visit

The co-founder of the #Hellomynameis campaign has visited SaTH as part of events around Dying Matters Week.

Chris Pointon co-founded the campaign with his wife—Dr Kate Granger MBE—who died from cancer in 2016. During her treatment, Kate observed that many of the staff looking after her did not introduce themselves before delivering her care, inspiring the campaign. Following Kate's death, Chris is keeping the campaign alive through conference talks across the world.

He visited SaTH on Thursday when around 30 staff attended an End of Life Care sharing event at the Transforming Care Institute as part of Dying Matters Week. The event was hosted by Jules Lewis, End of Life Care Facilitator. Jules said: "It was an amazing day. Thank you to all the staff that attended."

and finally

Email addresses at SaTH are being migrated to NHS mail over the next few months. Look out for further information on our new contact details coming soon.

Staff Conferences

Showcasing research into laboratory-grown human blood vessels

Dr Alan Harper was invited to present his work at the National Centre for the Replacement, Refinement & Reduction of animals in research (NC3Rs) showcase of cardiovascular research in March. His poster detailed the experimental background for his recently award NC3R- and British Heart Foundation co-funded PhD studentship - "Reducing and replacing the use of in vivo thrombosis models in rodents using human tissue-engineered arterial constructs".

The processes of blood clotting are strongly dependent on the intracellular environments created by the physical forces of blood flow and chemical signals from cells in the blood vessel wall. Therefore the mechanisms of blood clotting can only be truly understood by studying it within the body. This has led to the large use of mice and rats by scientists in the study of how blood clotting occurs within living blood vessels, as it is not ethical to perform these studies in humans.

In his forthcoming project, Dr Harper will work alongside Prof Ying Yang, Dr Paul Roach (Loughborough University) and Prof Jon Gibbins (University of Reading), to investigate if artificial human blood vessels grown in the lab using tissue engineering techniques can be used to recreate the same experiments currently performed inside rodents. If successful, it is hoped that this project will provide a more ethical and sustainable system in which to study the molecular mechanisms underlying human blood clotting and its inhibition by anti-clotting drugs used to prevent heart attacks and strokes.

Dr Alan Harper, Lecturer in Bioscience

AUA Mini Regional Conference



As an AUA Advocate, three staff members and I, (Emma Holdham – AUA Advocate, Bev Newton and Christina Farrall) made our way by train to Liverpool John Moores University (LJMU) for the mini-regional conference in January. Joined by another two members of the University, the day started off with a welcome lecture by Meriel Box (Head of Leadership & Development Foundation and Assistant Director Leadership Foundation for Higher Education, North West).

A range of workshops, plenaries and networking opportunities were provided. I attended a variety of workshops, starting with a talk from Jess Naphthine-Hodgkinson (Research Support Officer, University of Manchester) on how to enhance your public speaking, which involved staring into the eyes of the person sitting next to you and memorising all of their facial features for 30 seconds – quite awkward at times but some very useful tips. One workshop, facilitated by two ladies from Glyndwr University, talked us through their process when central student facing services were merged into one building. Adopting ‘Lean’ principles has helped them to progress to a position of easier access for students and staff and better sign-posting all round. The final workshop of the day was given by Martha Horler (Client and Programme Manager, Manchester Metropolitan University) which explained how someone should/can use resources to expand their reputation. We “googled” each other as one of the activities to see how much could be found. I was quite impressed by how little social profile I had. The day ended with a fabulous talk from Gary Graham who is the Deputy Chief Executive of LJMU and has 8 years’ experience as a CEO of the NHS.

Sarah Thirlwall, Placements Manager and AUA Advocate

Annual Medical Education Conference

Nearly 200 Primary and Secondary Care Clinicians along with Keele Academics and Scientists packed the David Weatherall building on 13th April 2018 to enjoy a busy and varied programme. The day started with opening addresses by Professor Hassell and Professor Pauline Walsh. This was followed by the plenary lecture from Dr Colin Melville, Director of Education and Standards at the General Medical Council (GMC) speaking about ‘Where next for the Reflective Practitioner?’

The day proceeded with examples of teaching and research excellence by Professor Mamas Mamas and Professor Paul Horrocks. Following this the audience took part in workshops, selecting two from the eight on offer proved a difficult challenge, with internal and external facilitators including Dr Helen Binkley from UCL, Dr Shirley Rigby from Warwick, supported by Drs Anne Taylor, Russ Crawford, Sarah Aynsley, Bruce Summers, Janet Lefroy, Sheena Gibson and Simon Gay. In a parallel session Professor Jo Protheroe and her team from academic general practice gave a comprehensive update to the many GPs in the audience.

Finally, Peter Coventry gave us a comprehensive School update. Briefly touching on the introduction of the new curriculum and assessment, he talked about the expansion in medical student numbers by an additional 35 and also described national (Sunderland) and international (Philippines) collaborations. Peter also managed to also give us a flavour of other achievements throughout the year, along with sharing some interesting research about where Keele graduates end up working.



Pictured (L-R): Dr Clive Gibson, Dr Colin Melville, Dr Helen Binkley, Professor Andrew Hassell, Dr Peter Coventry

Dr Clive Gibson, Director of Staff Development

Professional Services Staff Away Day

On a beautiful, sunny afternoon in May two-thirds of the support staff from across the School participated in the first School of Medicine Professional Support Services conference at Keele Hall. Andy Hassell, Margaret Hollins and Vanessa Hooper welcomed everyone to the conference and set the scene for the afternoon programme. The activities were facilitated by Jan Kincaid (Organisational Development) and consisted of two practical, team building activities.

The first activity was a word-task based around the popular board game Scrabble. The aim of the task was to produce words to score as many points as possible from the letter tiles the team manufactured. My team enthusiastically set about drawing up a list of words, how many "S's" in Mississippi? All too quickly Jan shouted "time's up" and the scores were totted up. There's always one team that tries to take a risk and bend the rules, "nul points" for them!

The second activity was an art-based task in which four sub-teams had to reproduce an abstract piece of art work. Only one member from each team was allowed to view the art work and each sub-team was responsible for reproducing a quarter of the picture. This exercise demonstrated not only the importance of team work and communication but also that we have some quite talented artists amongst us!

The afternoon was a huge success, staff participated enthusiastically throughout and left with some important "take home messages" that can be applied to our teams and roles within the school.



Fiona Allen, David Weatherall MUL Manager

Staff Personal News

NIHR Award

We're delighted to announce that Peter Yeates has been awarded a highly prestigious Clinician Scientist Award by the National Institute of Health Research (NIHR), worth over £950k to Keele over the 5 year term. Peter will use the award to develop research on OSCEs within the School of Medicine, on a new technique called "VESCA" (Video-based Examiner Score Comparison and Adjustment) which aims to make OSCEs fairer and more dependable. The research will involve several studies over 5 years, and aims to collaborate with other medical schools in the later stages to compare examiners' scoring between different medical schools for the first time. If it all works then it could prove important for the new national medical licensing assessment as well as for Keele's curriculum.

It's very rare for these awards to be given to medical education projects, so it's a real vote of confidence for Keele and an encouraging sign that funding for medical education is increasing. The bid took over a year to put together and Peter was helped by lots of people from the School of Medicine and the Research Institute for Primary Care and Health Sciences including Natalie Cope, Kirsty Hartley, Stuart McBain, Gareth McCrae, Ashey Hawarden, Hannah Bradshaw and all of the students and examiners who volunteered for a pilot study. Funding from the award will pay for a new member of staff to join the research team and will hopefully also provide a PhD student to join the Medical School Education Research Group (MERG).

Peter Yeates, Lecturer in Medical Education Research

Congratulations to the following staff:

- Tom Lovelock on the birth of his daughter, Lillian Wren on 7 February.
- Peter & Kate Yeates on the safe arrival of Evie Hope who was born on Saturday 17 March (St Patrick's day) weighing 6lbs 3oz.
- Luke and Sabrina Welsh on the birth of Hughie Matheson on Sunday 13 May.

Third Sector Engagement



Santa was kind enough to get his knitters to contribute to the Big Knit 2017 for Age UK. Not only did the Medical School Christmas Tree look exceptionally colourful, the elves took some cheeky selfies modelling them also. A massive thanks to all those who contributed by either knitting or purchasing the special smoothie hats. An amazing 554 Smoothie Hats were given to Age UK North Staffs and £69.00 raised from the sale of the special hats beforehand.



Sarah Thirlwall, Placements Manager



Once Santa had dropped off the hats, his sleigh (in the form of a black Mazda), packed with an extraordinary amount of donated food supplies, flew across the city to join ASHA for their 2017 Children's Christmas party. Over 100 children joined in with the Christmas fun and in conjunction with Sporting Communities, all were provided with a free lunch bag and each child received a gift. Our food contributions helped Asha to be able to provide every user of their service with a bottle of Sunflower Oil, a bag of Basmati Rice and five other products of their choice. An amazing achievement, well done all!!



Sarah Thirlwall, Placements Manager

Sponsored Walk for British Heart Foundation

Firstly I'd like to say a massive thank you to everybody who has sponsored me so far for my walk from Glasgow to Edinburgh in July.

Training is going well so far - at least I know the first three miles is going to be easy...(the other 59 not so sure about). I've had the route map through and there seems to be a lot of rest stops, which is good. Just hoping it's well signposted as I'm not sure my map reading skills are up to scratch especially on the overnight stretch.

More information about the Heart Foundation, including the challenge itself can be found here at www.bhf.org.uk I have a Just Giving page set up, the link is: www.justgiving.com/fundraising/sarah-lawton6 if anyone would like to donate that would be very kind.

Sarah Lawton, Administrator (Assessments)

Spinathon for Macmillan



On Saturday 14th April we successfully completed another six hour spinning session at Keele Sports

Centre to raise money for Macmillan Cancer Support. This was the fourth session completed at Keele since starting in 2016 and my third time taking part. Although it was challenging I found it the most enjoyable yet. A big thank you to our superhuman instructor Paula Rogerson for somehow managing to talk for six hours whilst spinning, keeping us motivated throughout and for making it fun. The cake afterwards was also greatly appreciated!

Carly Shaw, Receptionist, David Weatherall Building

Student News

RCOG World Congress 2018 Poster Presentation

At the end of our third year, we carried out a research project as part of our SSC in the Obstetrics and Gynaecology department, supervised by consultant



gynaecologist Miss O'Mahony. After completing our research, our work was submitted to the RCOG World Congress, which this year took place in Singapore. To our surprise and delight, it was accepted for a poster presentation.

The conference took place over three days and we had the opportunity to listen to leading experts speak on a variety of topics within the field of O&G, from paediatric gynaecology and teenage pregnancy to menopause and HRT. We also gained valuable experience of presenting research to clinicians from all over the world and faced some challenging questions!

We are immensely grateful to have had this opportunity and would like to thank Miss O'Mahony for her guidance and support throughout our SSC and beyond, as well as the School of Medicine for their help with conference fees.

Maryam Ali and Grace Raybould, Year 4 Medical Students

Humanities SSC Prize

Charlotte Galvin, currently Year 4 in Shropshire, won the Myers prize for her humanities SSC essay on the representations of mental illness in the first world war through comparison of Pat Barker's book

"Regeneration" and Virginia Woolf's "Mrs Dalloway". She received £250 and a certificate.

Trauma Day

Saturday 3rd March saw the 5th annual Keele Trauma Course take place at Keele Medical School. Despite a spot of cold weather, keen students arrived bright and early to get to grips with a challenging variety of medical concepts and practical skills. An opening talk on elective opportunities motivated students for a series of theory and skills-based workshops. Led by a team of enthusiastic and knowledgeable doctors, these sessions covered the principles of initial patient assessment, fracture management and airway management.

Following lunch, students were put to the test. Simulated patients created a dramatic "road traffic collision", challenging decision-making when faced with fractures, head injuries, aggressive patients, death and more. Meanwhile, other groups encountered a young patient with terrible burns and a gentleman who had fallen from high up a ladder. Alongside this, workshops on how and when to gain intraosseous access were underway as well as practical sessions on extracting patients safely from cars and how to remove the helmet of a motorcyclist involved in a crash. This gave course attendees a chance to apply the morning's theory as well as gaining an understanding of the trials of pre-hospital care.

The course committee would like to thank the medical school for its support and allowing use of the building as well as the staff and students that volunteered their time. Thanks also go to the Royal College of Surgeons of Edinburgh, Wesleyan, MDU and EMS for their support.

Sam Cassidy, Intercalating Medicine Student

National Suturing Competition 2018

The Keele National Suturing Course and Competition was held on 24th March 2018 at the Clinical Education Centre (Keele University). The event was organised by Keele Surgical Society and endorsed by Doctors Academy. The course was open to all medical students in the UK and there were participants from various universities including Dundee, Liverpool, Southampton and Keele. The judging panel consisted of registrars and consultant surgeons from UHNM. Keele students Miss Mathurshnavi Manoharan and Miss Khine Oo were joint champions with Miss Charlotte Rhead, also from Keele University, coming in third.



Photo: Miss Manoharan and Miss Oo receiving their certificate from Mr William Kisku (Associate Specialist Plastic Surgeon, RSUH)

Mr Sandesh Shrestha, Event Leader, KSS

Medpath Society

Throughout this academic year, MedPath has grown from strength to strength. Having worked with six different schools from years 9-11, we've been able to reach out to more students than ever before. We managed to use all of our allocated budget and were granted extra funding to complete our courses. We have several additional schools lined up to start next year, along with the current 6 schools.

We were fortunate enough to have two resuscitators donated from Affinity Care Management and we hope to further increase our equipment stores to enable us to reach out to more schools and pupils.

This year we implemented a new electing system for the future committee. This has left us with an extremely strong and passionate committee for 2018/2019, and we are excited to watch MedPath grow even more during this year. As co-presidents, we have enjoyed assisting in the success of the society and hope to return to the group in future years

Alexandra Makrides and Jessica Bialan, Co-Presidents of MedPath, 3rd Year Medical students

Research Presentation Prize

Congratulations to MMedSci (Anatomical Sciences) student, Emma Howard, won the highly coveted "Golden Test Tube" trophy for the best research presentation at the annual Robert Jones and Agnes Hunt Orthopaedic Hospital (RJAH) Research Day. Having competed against established researchers and speciality registrars, this is a tremendous achievement and very well deserved. Emma's research, as part of her Masters Dissertation project, is based at RJAH under the supervision of Mr Paul Cool and Miss Gillian Cribb, and is focused on the "Development of a New Single Metric for the Prediction of Pathological Fracture in Patients with Metastatic Disease of the Lower Limb".

Dr Heidi Fuller, Lecturer in Medical Science

Poster prize

Louise Finch, intercalating medical student, won second prize for her poster at a recent Society of British Neurological Surgeons conference. The work with the UHNM Neurosurgery department investigated the utility of intraoperative brain smears - a simple yet effective intervention to improve diagnostic tumour biopsy yield.



International Prize in Orthopaedics



My intercalation year at Imperial College London was one of novelty, excitement and well...hard work. However, once making it past the hardest exams of my life, I was lucky enough to begin a 12-week research project in the MSk lab at Charing Cross Hospital. Under supervision of world renowned surgeon Professor Justin Cobb and the fantastic Dr Kartik Logishetti and Dr Edouard Auvinet, I worked on an innovative project investigating the plausibility of using augmented reality (AR) technology to improve simulation training for orthopaedic surgeons. The premise was that AR could provide high fidelity simulation while maintaining tactile feedback, making for effective simulation, so far unachieved for total hip arthroplasty – allowing safe, high volume training for novice surgeons.

I submitted the project for an oral presentation at the European Orthopaedic Research Society (EORS) conference in Munich, September 2017, and was accepted.

Whether it be my youthful enthusiasm or auspicious confidence, EORS awarded me Best Overall Oral Presentation for the conference. I was hugely honoured. Not only was I one of the youngest present, but this was also my first conference participation. It was a great affirmation to me that if someone works hard, they can reap what they sow, irrespective of their status. I was then invited to present my research as a poster at the Orthopaedic Research Society in New Orleans, March 2018.

Intercalating has been a great personal experience and opportunity and I can only hope this award is one of many to come.

Luke Western BSc (Hons) Year 3 Medical Student

Presentations at the British Association of Clinical Anatomists

On December 14th 2017 I attended the winter meeting of the British Association of Clinical Anatomists with two Keele colleagues: Taha Haq (5th year), and Giorgos Solomou (3rd year). Both Taha and I presented a poster of our dissertation projects from our intercalated Clinical Anatomy BSc at the University of Leeds last year. My project was entitled: “*Glenoid labral cysts: a rare cause of shoulder pain*”, and Taha’s: “*The forgotten nerve of thyroidectomy: the significance of the external laryngeal nerve*”, which were both literature reviews. Giorgos gave an oral presentation of original research from the Keele Anatomy department, entitled: “*The femoral nerve: a new entrapment syndrome?*”

The meeting was filled with a variety of presentations from medical education to a diverse range of anatomical research by leading surgeons, junior doctors, and medical students from all over the country. It was a fantastic opportunity for us all to network and discuss potential new areas of research. All of us thoroughly enjoyed presenting our projects and were happy to represent Keele at a national level. Both Giorgos and I had the fortune of receiving the Conrad Lewin Prize for best oral, and poster presentation of the day respectively, which we were both very pleased about!

Connor Moore, Year 3 Medical Student

Kilimanjaro Climb for Charity

This August I will be preparing my backpack, strapping on my hiking boots and heading to Tanzania. I will be embarking on a 62-kilometre journey up the world's largest free-standing mountain (5895m), Mount Kilimanjaro. You may be thinking, why would I want to spend my summer putting my leg muscles through pain, enduring the African heat (and bugs!) and sleeping on the mountainside throughout the six days of the climb? Well, whilst I very much love a challenge, physically and mentally, there is a much bigger goal in mind. In the months preceding the climb I will be fundraising on behalf of a charity called Dig Deep. They provide taps, toilets and training to communities in Kenya so they can have ready access to clean water; a human right that so many of us take for granted. It also means young children can spend more time in education as they will have less time off ill; a consequence of the unsanitary water they are forced to settle for. I shall therefore be stepping foot on this dormant volcano in the hope I can make positive changes to people whose lives are without something I have been fortunate to have had my whole life.

If you would like to support me and the charity, then please visit the web address below to sponsor me and find out more information. Anything at all you can give will help! Thank you.

www.mydonate.bt.com/fundraisers/sophiesclimb

Sophie Taylor, Year 1 Medical Student

Poster Presentation at the Federation of Infection Societies (FIS) Conference



As part of my Year 3 Student Selected Component (SSC) I completed an audit in the Acute Medical Unit (AMU)

under the supervision of UHNM Consultant

Microbiologist Dr Desai. The aim of the audit was to learn if current investigations, diagnosis and treatment for Common Acquired Pneumonia (CAP) patients comply with current British Thoracic Society (BTS) guidelines. After the four weeks completion of the audit we submitted to present at the FIS conference in Birmingham. The audit poster was titled "Antimicrobial stewardship can improve the management of pneumonia".

Antimicrobial stewardship is an important topic currently with antimicrobial resistance becoming a real problem globally. In the audit, important findings were that CURB* scoring was not performed for all patients. Of 34 patients, only 2 had CURB scoring performed. 65% of antibiotic prescriptions didn't meet BTS guidelines based on CURB severity of CAP. One of the core component of BTS guidelines for assessing severity alongside clinical judgement is CURB scoring. This poses huge a challenge for antimicrobial stewards. The hospital guidelines state that when prescribing an antibiotic for community acquired pneumonia the severity must be taken into account. Low, moderate and severe severity all have different antibiotics that should be prescribed. The audit found most doctors prescribed the strongest antibiotics and didn't take into account severity. Hence, it was strongly recommending the use of CURB scoring to document severity.

This SSC has given me a better insight into the diagnosing and management of community acquired pneumonia along with some of the difficulties that face clinicians when dealing with many ill patients with limited staff and time.

**CURB scoring is the BTS recommended system to determine the severity of CAP. The letters stand for Confusion, Urea, Respiratory rate and Blood pressure.*

William Masson, Year 4 Medical Student

ASPIRE Studentship

After my 4th Year, I took part in the Keele ASPIRE Summer Studentship 2017. I conducted a project entitled '*Marital status and risk of cardiovascular diseases: a systematic review and meta-analysis*' under the supervision of Dr Chun Shing Kwok and Professor Mamas A Mamas.

Our analysis of thirty-four studies found that, compared with married individuals, being unmarried (never married, divorced or widowed) was associated with increased incidence of coronary heart disease (CHD) and death from both CHD and stroke. In addition, single patients who suffered a heart attack had greater mortality than married patients. These findings may suggest that marital status should be considered in the risk assessment of cardiovascular diseases and additional support should be provided if necessary.

The research was selected for oral presentation at the ASPIRE Research Showcase 2017 and I was delighted when the study was accepted for publication in the Heart journal, a reputable journal for Cardiology and Cardiovascular medicine.

Throughout this project, I gained practical experience in writing a research proposal, performing literature searches, using statistical analysis software for data analysis and writing a research paper. Publishing a paper during my undergraduate degree was challenging, but rewarding and I am grateful for the support received from my dedicated supervisors and the platform provided by Keele University. I would strongly recommend any students to apply for the ASPIRE studentship to explore their interest in research.

Chun Wai Wong, Year 5 Medical Student

Hike of the Camino de Santiago, Spain



In July this year I will be hiking the Camino de Santiago in Spain on my own. I am hiking from the 26th of July to the 21st of August. Unfortunately, limited by the very short holidays of clinical year medical students I won't be

able to do the full 750km hike... However in the 27 days I have I'm aiming for around 540-700km, depending on how my legs hold up. I may be slightly foolish as I'm not an experienced hiker and I will have to manage my low protein diet, from the condition I have: phenylketonuria (PKU), in a country not friendly to vegetarians. Indeed, as anyone who has been to Spain knows, it's hard to be a vegetarian let alone a vegetarian who can't eat cheese!

As I'm doing such a long hike I thought it would be a good excuse to raise money for charity. I couldn't decide on one charity so decided to raise money for two and split the money raised equally between them. The first is Keele Nightline, the university listening service, which benefits numerous students in Keele and is a vital service to those who need it. The second is National PKU News, an international charity that provides essential news and information, as well as scholarships to individuals with PKU. I am a beneficiary of the Guthrie-Koch scholarship they award, and feel it's my duty to give something back. I am hoping to raise a pound per kilometre hiked. So please follow this link and donate as much as you desire, even a penny would mean a great deal!

<https://www.justgiving.com/crowdfunding/connorscaminoforcharity>

Connor Moore, Year 3 Medical Student

Staff changes

Hellos / Goodbyes

At David Weatherall Building

Welcome to:

Melissa Bowerman, Lecturer in Biosciences
Kim Jensen, Clinical Tutor in Medical Education
Rachel Tatlock, Placements Administrator

Congratulations to:

Luke Welsh on his appointment as Director of Anatomy from 1 October

Farewell to:

Hassan Awan, Clinical Tutor in Medical Education (in August)
Laura Hibberts, Associate Teaching Fellow in Bioscience
Alex Jewkes, Clinical Teaching Fellow in Medical Education (in September)
Menos Lagopoulos, Director of Anatomy (in September)
Faye Palmer, Quality Assurance & Enhancement Co-ordinator

Postgraduate Medicine, Keele Hall

Welcome to:

Amy Helliwell, PA/Administrator to Director of PG Programmes (maternity cover for Libby Plant)
Vijay Jeganath, Teaching Fellow in Medical Education
Eliot Rees, Teaching Fellow in Medical Education
Alex Strivens-Joyce, Curriculum Developer/Teaching Fellow in Physician Associate Studies

Shrewsbury & Telford Hospitals Trust

Welcome to:

Hannah Fraser, Senior Undergraduate Administrator
Dr Alice O'Connor, Electives Tutor
Dr Megan Bevis, Teaching Fellow in Anaesthetics
Dr Bethan Lewis, Teaching Fellow in Anaesthetics
Dr Ben Matthews, Teaching Fellow in Anaesthetics

Farewell:

Dr Emily Gibney, Teaching Fellow in Anaesthetics
Dr Paul Wilson, Teaching Fellow in Anaesthetics
Phil King, Year 5 administrator

UHNM/RSUH Hospital Campus

Welcome to:

Kay Urwin, Skills Administrator
Beth Sherratt, Rachel Chubsey, Katherine Iles and Katelyn Monsell – new Clinical Teaching Fellows from August 2018

FORTHCOMING EVENTS

Articles for MedNews

MedNews is currently produced twice a year, in December and June. News articles can range from something academic, (a conference or an award), to something personal, (a charity event, family news), to an event you wish to publicise.

You can be as brief as you like but we ask for a maximum of 250 words if you wish to submit an article. Relevant accompanying photos are welcome. We look forward to hearing from you.

Margaret Hollins, School Head of Business and Finance, m.a.hollins@keele.ac.uk
Susan Farrington, Deputy Admissions Manager, School of Medicine, s.m.farrington@keele.ac.uk

Social Media

As part of our marketing strategy we now utilise social media platforms to communicate with potential students (and other target audiences).

We currently have the following channels:

Twitter: <https://twitter.com/KeeleMedSchool>

Facebook:

<https://www.facebook.com/KeeleMedSchool/>

Instagram:

<https://www.instagram.com/keelemedschool/>

If you'd like to add anything to our social media channels then please email the content to Mike Lancaster (below) (text and preferably a photo or two). This could be anything from: news, celebrating student achievements, information about conferences and events etc.

Michael Lancaster, Media Production Manager
m.lancaster@keele.ac.uk

Mentoring is a means of supporting interested individuals to achieve personal developmental goals. It is in addition to SPRE/Appraisal and induction processes. **At its heart is a relationship of trust and openness between mentor and mentee.** Goals, frequency and length of meetings are agreed between the two. **The process is supportive and confidential.**

Challenge yourself and others

There are guidance notes for mentee and mentor to help both get the most out of the process. Mentoring is not only good working practice, but also a key part of The Teaching Excellence Framework and critical to achieving Athena SWAN aims.

The Medical School is committed to formalising a process soon that is open to all categories of staff. A pilot project is planned, with a system for identifying potential mentors and mentees, a mentor-mentee matching process and training for the first cohort of mentors.



Key facts on our new Mentoring Scheme

Who can mentor?

Typically a mentor is a respected and experienced member of staff who is interested in developing others, has had appropriate training, with the time to devote to the mentoring process.

Who can be mentored?

A mentee is anyone who is interested in being mentored and feels that they need support to change direction, or to develop within the organisation. Mentoring is particularly valuable when taking on a new role, or at key career transitions.

What are the benefits?

For the mentee: valuable personal growth and career-focussed support when it is needed. Builds confidence, self-esteem and increases job satisfaction. The focus is very individualised, e.g. assistance on a return to work, in a new role, addressing a problem, help with career progression.

For the mentor: personal satisfaction from using one's knowledge and experience to help others, fulfilling an important leadership role, and enhancing own career.

For the organisation: key to supporting and developing the workforce and promotes innovation.

Release your potential

Where can I get more information?

http:

<https://www.keele.ac.uk/academicdevelopment/resources/mentoring/>

Mentoring lead: **Clive Gibson** c.gibson@keele.ac.uk
01782 734244 or 734945