

UCL MEDICAL SCHOOL



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Innovation in healthcare education

Teach smarter using technology

A conference for anyone with an interest in undergraduate & postgraduate healthcare education

13th June 2018

Darwin Lecture Theatre, UCL

UCL Medical School

PGME

Postgraduate Medical Education

TIME
TRAINees IN MEDICAL EDUCATION

#IHE18



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Welcome

Welcome to the National Innovation in Healthcare Education Conference 2018. We hope to bring you ideas to share, apps to talk about and new ways of approaching education. Whether you are based in primary or secondary care, teaching to large or small groups, undergraduate or postgraduate - this conference is for you.

The conference is purposefully structured into a series of short TED-style talks to give you a taster of the topic. This is then followed by a panel discussion where you will have the opportunity to probe our speakers further. This is your opportunity to find out more and work out how you can best develop as an educator.

We hope to also show you how technology can be used within a conference or event setting. As such, as well as a roaming microphone, questions will be fielded through Mentimeter. When instructed simply log on to [menti.com](https://www.menti.com) and insert the code provided. Then you're off! You can submit as many questions or queries as you like. These will be fed to the panel during the Q&A session.

We will also be demonstrating how this technology can double up as a feedback tool. So do join in on each of our feedback rounds!

As well as the discussions happening in the main lecture theatre there is also a selection of around 40 posters on display. The authors are hoping to illustrate the creative approaches they have taken on using technology in education and give you even more to think about in your own educational sessions.

The posters are being scored in two ways - through a panel of judges and through yourselves. That's right - we're handing the reigns over to you to see what you think. The winning poster will be announced at the close of the conference.

We hope you thoroughly enjoy the conference and leave with many an idea gained.

Your Conference committee,

Natasha Malik - Conference Chair

Jonny Mayhew - Website and Visual Media

Laila Abdullah - Creative Director

Ahmed Rashid - Committee member

Sunny Akbar - Social Media and Venue

Kanika Sharma - Speaker Relations Officer

Maggie Baker - Online Conference Information Pack

Tara Stewart - Catering, gifts and abstract panellist

Jon Derrick - Abstract Panellist

Lisa Andrews - Administration Manager

Anjali Gondhalekar - Publicity & Marketing

Fran Pitman - Administrative Support

Jenny Hopwood - Online Conference Information Pack

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Conference Schedule

Time	Event	Speaker	Location
08:30	Registration		Darwin LT
08:50	<i>The Science of Craft</i>	Dr Natasha Malik	Darwin LT
09:00-10:50	Session 1		
09:00	<i>Sprints, Hackathons and Marathons: A Student's Perspective</i>	Mr Mao Fong Lim	Darwin LT
09:20	<i>Servant or Master</i>	Dr Clare Etherington	Darwin LT
09:40	<i>Using Virtual Reality to Train Doctors</i>	Dr Caroline Fertleman	Darwin LT
10:00	<i>How technology can transform medical education: A medical student's perspective</i>	Miss Halimat Afolabi	Darwin LT
10:20	Q&A	Panel of speakers	Darwin LT
10:50	COFFEE BREAK		Room B15
11:10-12:40	Session 2		
11:10	<i>"The network effect"</i>	Dr Karthik Modha	Darwin LT
11:30	<i>Tech for tech</i>	Dr Gavin Johnson	Darwin LT
11:50	<i>(Un)social media & Professionalism: Back to the future?</i>	Dr Scott Rice	Darwin LT
12:10	Q&A	Panel of speakers	Darwin LT
12:40	LUNCH		Room B15
13:30-15:00	Session 3		
13:30	<i>Virtual reality simulation: the good the bad and the ugly</i>	Mr Pasquale Berlingieri	Darwin LT
13:50	<i>Gamification: Ready Student One</i>	Dr Viral Thakerar	Darwin LT
14:10	<i>Using High Fidelity Simulation to teach Human Factors</i>	Mr Jon Kyffin	Darwin LT
14:30	Q&A	Panel of speakers	Darwin LT
15:00	COFFEE BREAK		Room B15
15:20-16:00	Session 4		
15:20	<i>Can you be my Baymax? Digital health in the NHS.</i>	Dr Indra Joshi	Darwin LT
15:40	<i>A post-digital spin on pre-digital teaching: Reinvigorating old pedagogies with cloud-based apps</i>	Mr Martin Compton	Darwin LT
16:00	<i>Virtual Reality: augmenting the cancer patients' experience</i>	Dr Vanita Gandhi	Darwin LT
16:20	Q&A	Panel of speakers	Darwin LT
16:50	Prize announcements	Dr Ann Griffin	Darwin LT



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Speaker Biographies



Mr Mao Fong Lim

**9:00am: *Sprints, Hackathons and Marathons:
A Student's Perspective***

Mao is an artist, aspiring psychiatrist and final year medical student at King's. He was selected as a wildcard participant for the ElsevierHacks Medical Education Hackathon 2017 in Helsinki and subsequently continued in the ongoing ElsevierHacks Incubation Programme



Dr Clare Etherington

9:20am: *Servant or Master*

Dr Clare Etherington is a portfolio GP in North West London. She has had a variety of educational posts in her career. She currently works as Head of Primary Care Education and Training for North West London with responsibility for GP trainees as well as non-clinicians in primary care, supporting training hubs to deliver education and training in a rapidly changing system.

She is also the News and Views Editor for Innovait (RCGP AiT Journal) and has written and edited e-learning for BMJ, RCGP and e-LfH. She sees technology as part of the 'toolkit' for education and part of everyday life, at work and at home.



Dr Caroline Fertleman

Dr. Caroline Fertleman is a consultant paediatrician at the Whittington Hospital and an honorary consultant at Great Ormond Street Hospital.

In addition to her paediatric workload, Caroline has a special interest in medical education. She is an Honorary Senior Lecturer at University College London Medical School, the UCL Medical School site sub-dean and an Honorary Senior Lecturer at the UCL Institute of Child Health.



Miss Halimat Afolabi

10:00am: *How technology can transform medical education: A medical student's perspective*

Halimat is a fifth year medical student at UCL and president of UCL MedTech Society, which she founded last year. The society is an interdisciplinary collective of students with a common interest in using technology to solve problems in healthcare. The committee organises weekly talks from companies at the forefront of health tech innovation including IBM, DeepMind and Babylon Health. They also run coding workshops for applications in medicine and recently held a National Student MedTech Conference, which attracted 100s of students from across the UK.



Dr Kartik Modha

11:10am: *The network effect*

Kartik is a GP at Friern Barnet Medical Centre in North London. He is co-founder of myHealthSpecialist.com and Founder of Tiko's GP Group, a social networking group providing peer education for GPs. He is passionate about technology and building clinical networks.



Dr Gavin Johnson

Dr Gavin Johnson is a Consultant Gastroenterologist at UCLH and the Royal Free Hospital. He is also an expert in Medical Education. He organises regular Gastroenterology courses in the UK and Europe and sits on the quality assurance for Training committee for the UK Joint Advisory Group of Endoscopy.

Dr Johnson is a Senior Lecturer at UCL Medical School in Medical Education, where he is the lead for Year 4 and Director of Undergraduate Education at UCL Hospitals. During his training Dr Johnson spent some time as an Education Fellow at the Royal College of Physicians, running nationwide projects that culminated in an MD in Medical Education. He has published numerous peer reviewed papers and book chapters in Gastroenterology and Medical Education.



Dr Scott Rice

**11:50am: (Un)social media & professionalism:
back to the future?**

Scott Rice is a Consultant Radiologist and Senior Lecturer in Clinical Education at UCL. He is module lead for imaging, academic lead for personal tutors and examiner for the Royal College of Surgeons.

Scott obtained a MA in Education from the Institute of Education and has a principal interest in professional identity and authentic assessment methods.

His research includes exploring the changing notion of 'professionalism', specifically when regulatory and disciplinary frameworks are applied to online behaviours. He is interested in how the participatory web challenges public-private boundaries. Is technology disruptive innovation or innovative disruption?



Dr Pasquale Berlingieri

**1:30pm: Virtual reality: the good the bad and
the ugly**

Dr Pasquale Berlingieri is an Obstetrics and Gynecology specialist and holds a PhD in human reproductive biology and an MSc in Health Informatics. He is head of the Royal Free Screen-Based Virtual Reality Surgery-Simulation Centre. His passion for improving patient safety in surgery led him to be one of the founding members of the centre. This is a world-leading site aimed at doctors, nurse specialists and medical students who wish to acquire and improve their surgical skills in a controlled environment before operating on real patients. Accessing screen-based simulators with haptic feedback, doctors can practice realistic, challenging and often high-risk procedures.



Dr Viral Thakerar

1:50pm: Gamification: Ready Student One

Why do we find it easier to learn the rules and develop strategies for blackjack, The Witcher 3 and football compared to becoming a great doctor? Why do we learn more from a five second "aha" moment compared to weeks of cramming? In an era of readily available clinical information, what skills do clinicians really need to improve patient outcomes?

These are the questions that drive me. I'm a GP and clinical teaching fellow based in north west London. I'm fairly sure that in at least half of the parallel universes out there I did computer science or educational psychology instead of medicine. I enjoy working with students to develop new teaching methods that should be fun and useful, and will be presenting gamification concepts at both AMEE and ASME this year.



Mr Jon Kyffin

2:10pm: *Using high fidelity simulation to teach human factors*

Jon Kyffin is the simulation lead for the MSB institute where he works with colleagues to develop and support innovative simulation training programmes using simulation.

Jon is particularly interested in using high fidelity simulation to train people about the importance of managing human factors.

He has worked in the NHS as a registered nurse for over 20 years in a variety of areas including Accident & Emergency and Cardiology.



Dr Indra Joshi

3:20pm: *Can you be my Baymax? Digital health in the NHS*

Dr Indra Joshi is the Clinical Lead for NHS England's digital health programmes. She has an overarching knowledge of the national patient facing digital initiatives within the NHS with a focus on real world evidence, data and digital health tools standards.

Indra has experience stretching across policy, governance, digital health and marketing, national project strategy and implementation; whilst remaining true to her professional training as an emergency medicine specialist.

She is the Clinical Director of One HealthTech – a network which champions and supports under-represented groups in health innovation, particularly women, to be the future leaders in healthcare. She is a Vice Chair for the British Computer Society (Health), an international speaker and consultant on digital health, an expedition medic, and most importantly a mum to two wonderful little munchkins



Mr Martin Compton

3:40pm: *A post-digital spin on pre-digital teaching: reinvigorating old pedagogies with*

In 25 years teaching in schools, colleges and universities both in the UK and overseas, Martin Compton has witnessed a shift from overhead projectors to digital projectors; from gigantic TVs on wheels to YouTube and from cut and paste with scissors and glue to its electronic equivalent.

He promotes the use of free versions of cloud tools that can be learned and applied easily to engage, enhance and enliven teaching at higher education level. He is especially interested in how cloud-based apps can re-energise established (aka 'old school') approaches to teaching. Much of this is tangential to his actual role which is as a Senior Lecturer in teaching, learning and professional development at the University of Greenwich.



Dr Vanita Gandhi

4:00pm: *Virtual Reality: augmenting the cancer patient's experience*

Dr Gandhi is a clinical oncology registrar at the Royal Free Hospital and a UCL graduate. Her background in medical education includes organising several regional teaching programmes for medical students and a continuing role as a reflective practice tutor for UCL medical school since 2011. She has a special interest in using patient-reported experience and outcomes to improve healthcare quality. In 2012 she led an award winning project project exploring the impact of noise pollution on patient experience at the Royal Free, and pioneered the Noise at Night policy and Silent Hospitals Help Healing, “Shhh!” campaign.

Dr Gandhi and her colleagues are currently using a virtual reality system to graphically aid the explanation of radiotherapy planning and delivery.



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How to Find the Darwin Centre



Dear delegates,

Please enter the Darwin building via the **Gower Street entrance** (A on the map) for registration in the morning.

After 10am, the Darwin building will only be accessed through **Darwin Walk via Malet place** (B on the map).

Refer to the map for further directions.

