



King's Health Partners Education Academy Annual Report – 2018

Executive Summary

Highlights of education and training in 2018

A major focus of the Education Academy this year has been to further develop international education and training which has been greatly facilitated by Dr Jana Jonasova, programme manager-international education and training. This has included the development of a Postgraduate Certificate (PGCert) in Advanced Medical Training (Children's Health, Haematology, or Women's Health). An application for another nested award PGCert in Advanced Medical Training (Clinical Neuroscience), delivered in collaboration with the Institute of Psychiatry, Psychology and Neurosciences, has been made. The PGCert can be taken as a standalone course by the Partners' Trust Fellows or national and international trainees. In addition, it will be offered as part of our developing Global Health Fellowship scheme in conjunction with a clinical placement in one of the Partner Trusts. These opportunities are highlighted on the KCL website and an international Education and Training brochure has been developed. As part of this programme of work, there is now an external face of the Learning Hub which went live on the 28th of January. All King's Health Partners (KHP) staff and students will still be able to access our large variety of e-learning resources free, all of which have been updated thanks to Florin Ivan, the KHP Learning Technologist. Such resources will also be freely available to KHP Networks. Importantly there is a single sign on for all KHP staff and students regardless of their email address. National and international users will be able to access either free or via a fee, state of the art e-learning resources. Additionally, the external face advertises the Partners' educational and training activities such as postgraduate courses, conferences and continuing personal and professional development activities. A KHP Education and Training database, an online searchable database of healthcare related education and training opportunities across the Partnership, has been created, which will ensure all Faculty are aware of available resources. This will enable development of new resources in a most cost-effective manner and Faculty can respond to queries, where ever they are, regarding which KHP resources are available.

Another focus of the Education Academy has been to increase research capacity at all levels. This has included the support of the Clinical and Academic Research Society to successfully apply for INSPIRE funding for £10,000 from the Academy of Medical Sciences (AMS) and funding from the Faculty of Life Sciences and Medicine and the Dental Institute. This will deliver, using programme support and coordination by the Education Academy, closer working between medical and dental students on a series of activities run throughout the coming year including a Research Showcase event, a Conference, Widening Participation programme, Journal clubs, Internships/Summer Research Studentships and a Research opportunities database. The Education Academy leads the Academic Foundation Programme which is the most popular in London and the South East with nine of the top ten programmes (an increase from 2017 where we had six of the top ten most popular programmes). Our Integrated Academic Training (IAT) programme includes a PGCert in Applied Research Methods. This year we were awarded the maximum number of competition posts in the 2018 round – six Academic Clinical Fellows and three Clinical Lecturer posts. The comments from the panel included: "Kings delivers a good IAT programme and has a very good track record of ACFs and CLs progressing with an impressive range of support and access. The partnership has excellent infrastructure." As a consequence of this year's activity and the increase in NIHR funding our IAT allocation was increased such that we have now the second number of IATs per year. We continue

to deliver the KHP/University of California, San Francisco Designing Clinical Research, which has been run again for the seventh year; 139 trainees have completed the course and 22 KHP faculty have been trained to deliver the course.

This year saw the launch of the Centre for Adherence Research and Education (CARE). CARE is a hub for understanding and addressing the reasons why patients don't take their medicines as prescribed (non-adherence) and draws on the expertise of King's Health Partners staff. This blended learning course highlights the negative impact of non-adherence and introduces ways to identify and overcome peoples' barriers to adherence.

A number of important conferences took place supported by Rachael Jarvis, Education Academy Administration Manager and Joyce Matovu, Business Support Officer, including the CARS national conference, Safety Connections, the neuroscience nurse conference, a Realising Your Potential Event and the CARE launch.

Education Academy cross cutting themes

Centre for Adherence Research Education (CARE)

Non-adherence to medicines remains a major challenge for the NHS. Up to a third of patients never fill their first prescription and 50% of those who do don't then take their medicines as prescribed, with more than 50% discontinuing therapy within two years. A local survey of south London patients highlighted that the non-adherence rate was 44% so that the problem is a key local challenge. As a consequence, the workstream main focus, addressing non-adherence within the local population, has been established.

- The KHP Centre for Adherence Research & Education (CARE)
- A successful launch event was held in November 2018
- An adherence screener has been designed
- A Level One adherence training package has been designed and delivered to health care professionals across KHP geography (doctors, nurses and pharmacists)

International education and training

PGCert in Advanced Medical Training, which will enrol its first students in September 2019 has been developed. Currently it will be offered in Children's Health, Haematology and Women's Health, but soon will include other medical specialties.

- The KHP International Education and Training brochure will be used to market the KHP Education and Training both nationally and internationally
- A detailed competitor landscape and gap analysis have been completed in selected medical specialties, including child health and women's health

Leadership

- The third Realising Your Potential conference was held in July 2018
- The CAG leaders 360 appraisal continues providing support, feedback and coaching sessions
- The South London Leadership Programme, a programme for L&G, KCH and GSTT aimed at bands 7 and 8 (both clinical and non-clinical), is now in its fourth cohort

Mind and Body Education

- The IMPARTS Programme developed a free online course called 'Integrating Care: Depression, Anxiety and Physical Illness'. Over 5,300 people have signed up to the course
- Mind and Body Education has reached thousands of staff through the Programme's E&T initiatives including Trust inductions, online training, and face-to-face training
- There has been continued delivery of one-day clinical skills and IMPARTS five-day courses
- A two-day Mind & Body Maudsley Simulation course 'Healthy Lives, Healthy Minds, Healthy Bodies' has been developed
- The Mind & Body Champion's Network has reached over five hundred staff from across KHP and local health and care organisations

Postgraduate Clinical Education

GSTT

2018 has been a successful year for GSTT, with the Trust achieving its highest number of top scores in the GMC training survey. The Trust scored 93 times in the top category with the specialities of Allergy, Cardio-thoracic Surgery, the GP programmes Obstetrics and Gynaecology and Paediatric and

Child Health, Gastroenterology, Geniro-urinary Medicine, Neurology and Urology scoring particularly strongly. In addition, ward based in situ simulation cardiac arrest scenarios are now routine monthly occurrence across the organisation.

The School of Improvement initiative is proving to be extremely popular with trainees and staff and receiving excellent feedback. The themes of the programme continue to be centred around Clinical Leadership on the Ward, Leadership and Management, Quality Improvement (including clinical audit and root cause analysis) and 'Mind and Body.' The Consultant Interview Prep and Practice is one of our most popular courses and we expended the programme in 2018.

KCH

Throughout the year the department has undertaken educational research and completed publications in peer review journals. Staff have also presented at several conferences winning prizes and recognition for the work they have undertaken. Our Leadership development offer has been expanded to all grades of doctors and we have worked with colleagues in Learning and Organisational Development on Leadership pathways for all staff. Our Overseas Doctors Development Programme now runs monthly and has become a mandatory part of the induction process to aid the smooth integration of this group of doctors into the trust workforce.

SLaM

For the 2016-17 academic year, SLaM performed well on the General Medical Council (GMC) National Training Survey (NTS) with only a few red outliers and green outliers in General Practice Psychiatry. There was successful piloting of a mindfulness-based training programme for junior doctors the results of which were presented to the Confederation of South London Education Providers (COSL) and sustained high pass rates in national examinations of the Royal College of Psychiatrists, facilitated by a highly rated locally provided taught programme and clinical skills modules.

Quality Assurance

The Quality Assurance workstream reviews and approves non-credit bearing and credit bearing educational opportunities across KHP before they can be advertised under the 'KHP' 'kitemark' banner. The number of short, non-credit and credit bearing courses seeking approval by KHP's quality assurance committee has steadily increased.

This year nine short courses were approved, and three short courses were renewed. A template has been created to facilitate short courses to be development and approval.

Research capacity building

- INSPIRE funding was competitively awarded from the AMS for medical and dental research student activities
- The Academic Foundation Training programme increased training sessions and keynote lectures to F1 in addition to F2 and trainees from has St George's, University of London attend the monthly F2 sessions
- Successful bidding for maximum number of IAT competition posts
- Designing Clinical Research (DCR) course in collaboration with UCSF in seventh year

Simulation

KCL

- Successful integration of Acute medical Full Patient Simulation into the MBBS year 2 curriculum
- Piloting Trauma Full Patient Simulation into the MBBS year 3 curriculum this year.
- Design and Delivery of new IPE Simulation for medical, nursing and physio students. See quality section.
- New scenarios written for the inclusion of year 3 physio students to join the IPE Simulation programme.
- New patient journey IPE simulation – see “long term conditions” section.
- Successful NIHR research bid to improve team-based learning.
- Funding approval for expansion of the busy Chantler SaLL Centre into the basement area of Shepherd’s House providing an additional 260m².

GSTT

- Throughout 2018 the Simulation centre worked closely with the Trust’s Serious Incidents Assurance Panel and Patient Safety Committee to ensure serious incidents were used as learning. A key driver of the simulation centre strategy has been a move towards in-situ departmental working. The programs are in direct response to specific clinical issues and have included Speaking up in Teams: In-Situ Theatre Simulation, Sepsis Evelina in-situ simulation programme and Adult Emergency Department In situ simulation programme
- The team have delivered to date a series of unannounced in-situ simulations (n=13) over 14 months across 13 different wards. The feedback from the sessions has been excellent
- A Newsletter summarising learning is created for the departments. This work is planned to continue throughout 2019
- Faculty Development including Circle of Care Human Factor skills and coaching

KCH

- Ran a return to practice simulation day for returning trainees and nurses from across London in conjunction with three other Trusts, funded by HEE. There was increased in situ simulation including regular NICU and Paediatric in situ simulation and supporting ad hoc simulation in Theatres recovery, Cardiac Catheter Laboratory and Radiology
- Ran a programme of ambulance transfer simulation in conjunction with maternity, paediatrics, GPs, ED at PRUH hospital site
- Ran a STAR VR surgical skills simulation and skills day for return to practice surgical trainees
- Ran a major incident trauma simulation day with multiple casualty situation due to simulated terrorist incident and ran ‘sim wars’ simulation trauma team event at SeLKam annual conference
- Ran new programme of basic and intermediate surgical skills training throughout the year

SLaM

- Winner at 2018 BMJ Awards - ‘Best Education Team’ and winner at 2018 Lammy Awards of the ‘Innovation in Lambeth Award’
- There has been continued with dissemination nationally across England, including sustainability programmes for NHS Strategic Clinical Networks; East of England; Thames Valley, Greater Manchester and Eastern Cheshire. PMH courses are also being delivered across; West Midlands NHS Strategic Clinical Networks, Surrey & Borders Partnership NHS Foundation Trust, Central and North West London NHS Foundation Trust, Epsom & St. Helier University NHS Trust, NHS Bromley CCG, NHS Wolverhampton CCG

Team Based Practice and Learning in Health Care (Inter Professional Education and Learning)

The Centre for Team-Based Practice & Learning in Health Care is supporting and trialling a number of new IPE: a shared clinical skills, triage and handover simulation for medicine & NMPC; an interprofessional ePrescribing initiative involving GSTT and Pharmacy, NMPC and Medicine; an interprofessional Deprescribing and Polypharmacy initiative involving Pharmacy, NMPC and Medicine; an interprofessional mental health initiative involving Medicine and NMPC and a team-based initiative involving a 'clinical incident game' based on the Justice Syndicate.

Technology Enhanced Learning (TEL)

In 2018, registration rates on the Learning Hub was over nine thousand users. Learner feedback has demonstrated that users enjoyed the resources and they contributed to their learning. Approximately 30% of the current E- resources are initially part of the external Learning Hub with the number of externally-available resources set to expand over the coming months. Work has been carried out to convert existing resources to meet current technological requirements and quality standards, specifically making them device agnostic and mobile friendly, to satisfy learning trends internationally and provide flexibility of access to online learning.

Widening Participation

Since the successful launch of our website <https://www.discoverhealthcare.co.uk/> in March 2016 it has continued to develop and reach ever increasing numbers of young people. The Discover Healthcare website helps young people to find and register for opportunities across the King's Health Partners. It signposts job roles and different pathways into employment and training. Reach Out for Healthcare Scientists 2018 was a week-long summer school where over seventy healthcare scientists across KHP were involved in delivering the week-long Reach Out for Healthcare Science programme. The Reach Out for Healthcare Scientists programme, KHP healthcare scientists contribute their expert knowledge, time and enthusiasm to inspire young people and KHP enables this across three hospital sites, in both clinical and academic spaces.

Clinical Academic Groups

Allergy

Allergy has initiated a new Joint Partnership with the Royal College of General Practitioners in South London, South East and South West training networks. There are four study days per year which are tailored to GP needs. The finalist position was won in the BMJ Awards 2018 in the Education Category.

Cancer

KCL Global Health Institute was awarded a £7million grant by Research Councils UK to build research capacity for countries impacted by contemporary conflicts: Cancer is one of four workstreams which over the next four years will develop and deliver multiple blended learning courses on the political economy of cancer and NCCP development with four major regional universities. The Guy's Cancer Academy was awarded £588,000 by Guy's & St Thomas' Charity to set-up a Cancer Academy at Guy's Cancer to fulfil the final pillar of their Cancer Strategy. The Academy will deliver free/at cost training across KHP/the south east London accountable cancer network and the alliance marketing successful courses externally to maintain sustainability. The official Launch was on World Cancer Day, February 2019.

Cardiovascular

Cardiovascular maintains a 'Research Training Portfolio' for their research students and fellows, under the aegis of our British Heart Foundation Centre of Research Excellence. This incorporates a series of technology workshops which provide an introduction to a wide range of cutting-edge research techniques and facilities, which are available within the Centre and beyond and many cardiovascular research projects. The annual Postgraduate Symposium was hosted in May 2018.

Child and Adolescent Mental Health

The CAG continues to deliver diploma level trainings, set up as part of the Department of Health's CYP-IAPT initiative (Child and Young Persons Increasing Access to Psychological Therapies), commissioned jointly with UCL, for clinicians developing their skills in evidence-based therapies. The therapies are: CBT for anxiety and depression, Parent Training for children with behaviour difficulties and Systemic Family Practice for eating disorders, adolescent depression and self-harm and adolescent conduct problems. KCL delivers the Child Wellbeing Practice Programme, training a new CAMHS workforce delivering guided self-help and low intensity interventions for mild-moderate depression, anxiety and challenging behaviour. KCL has recently been commissioned, jointly with UCL and alongside other CYP-IAPT providers across the country, to train the new Education Mental Health Practitioners, to deliver consultation and intervention for emerging mental health problems in schools, at trailblazer sites.

Dental

There was 100% progression at BDS final examination and high NSS scores, the highest Faculty in the College, 5th in the UK. New PG programmes were the MSc in Microbiome on stream for 2018 and the MRes programme in biomaterials on stream for 2019. The University of London Gold Medal for an undergraduate was awarded to a KCL graduate.

Diabetes, Obesity and Endocrinology

The CAG delivering multi-professional insulin pump training in collaboration with Medtronic. Simulation training in relation to diabetes and multi-professional training in relation to insulin safety was also delivered. The CAG leads on SpR training in diabetes and endocrinology and is developing an MSc in Advanced Diabetes and Obesity.

Genetics, Rheumatology, Infection, immunology and Dermatology

A Research Training Grant (RTG): Hallmarks of Skin Cancer, funded collaboration between the GRIID CAG and University Medical Centre, Mannheim, and the DKFZ (German Cancer Centre) Heidelberg, to train basic science and clinical PhD students in a multidisciplinary programme on hallmarks of skin cancer. There was also successful delivery of international training scheme funded by DFG DFG (German National Research Agency), for students enrolled in Germany to travel to the UK for broad-based educational training in Dermatology and Translational Science and deliver collaborative research projects. The highly successful St. Johns DermAcademy (www.stjohnsdermacademy.com) delivered a variety of successful educational events for health care professionals, including a one day Advanced Dermoscopy courses at Royal College of Physicians (for consultant dermatologists and physicians).

MSc Immunology – extremely popular programme consistently attracting 25-30 students per year and extremely well received by the students gaining 100% overall student satisfaction (PTES 2017-18).

Renewal was approved for provision of the HEE funded MSc Genomic Medicine for four years (maximum period), it provides training to healthcare professionals and biomedical science graduates to deliver genomic approaches to personalised medicine within the NHS.

Haematology

The Faculty continues to map on to the academic international landscape by invited and selected oral presentations in KHP congresses such as the American Society of Haematology, European Haematology Association, the European Bone Marrow Transplant Congress, American Society of Clinical Oncology and the International Society of Thrombosis and Haemostasis. The Annual International Sickle Cell Disease and Thalassaemia Conference (ASCAT), in its twelfth year, has a 20% increase in delegates.

Imaging and Biomedical Engineering

Over seventy Healthcare Scientists across KHP were involved in delivering the week-long Reach Out for Healthcare Science programme. This hugely successful, annual pan-London event is now in its sixth year and engages with 100 sixteen-year olds with an aptitude for science from non-fee-paying local schools. This programme gives students from the local community an opportunity to discover the many and varied careers in Healthcare Science available to them through 'hands on' interactive learning sessions run by KHP scientists and engineers. KCH Medical Engineering and Physics continue to work with Southbank University Technical College (UTC) with both KCH and GSTT acting as Employer Sponsors for the UTC. Employer projects have been provided: King's Wheelchair design challenge and GSTT (Essentia) Plant Room project.

Liver, Renal, Urology, Transplant, Gastro/GI Surgery

This year saw the King's Live eighth Endoscopic Surgery Masterclass with 180 attendees. The largest simulation trial of predictive validity in the world (SIMULATE) with centres from the UK, Europe, China, Japan, USA, Canada was fully recruited and will demonstrate predictive validity for patient care for the first time. It is funded by The Urology Foundation and the Kings Institute of Robotic Surgery. An IDEAL Phase 2a study 3D printing for surgical training published in the BJUI showed that it leads to reduction in positive margins for prostate cancer. A public-patient involvement (PPI) meeting in the Gordon museum has led to patients overwhelmingly wanting a randomised trial of 3D printing in cancer surgery.

Neurosciences

Across KHP Neurosciences an extensive portfolio of training and education opportunities for clinicians and researchers is offered, ranging from undergraduate courses through to PhDs as well as postgraduate training.

Orthopaedics, Trauma, Emergency ENT and Plastics

KCH site, as the major trauma centre, is emerging as a lead specialist in complex Trauma centre in the region. A large number of Trauma and Elective Orthopaedic senior trainee fellowships have been created across GSTT and KCH sites. There has been expansion of Advanced High-Fidelity Simulation Training Courses for Trauma and Arthroscopy at DH site, open for all trainees nationally. A structured overseas doctors training scheme (MTI) has been developed in T&O across KCH sites to provide a full spectrum of curriculum based two year overseas fellowship programme.

Palliative Care

The clinical teams at KCH and GSTT deliver a highly interactive suite of educational activities for staff in the acute and community setting; in particular events for General Practitioners.

The Knowledge Exchange Seminar (KES) at the Cicely Saunders Institute represents a free-to-attend forum that offers an invaluable opportunity for local clinicians and researchers in the sector to consider current research and evidence and how this has potential to influence clinical practice and inform developing future research. A recent KES in April 2018 focused on 'Multimorbidity in Palliative and End of Life Care'. The Cicely Saunders Institute has monthly 'Evidence Update' meetings that are aimed at local clinical staff and researchers supplement the KES meetings. The Institute's YouTube channel (www.youtube.com/user/CSIKCL) features recordings of seminars and lectures where possible, providing an inexpensive platform for learning and engagement, with over 26,000 views of our eighty one videos to date.

<https://www.kcl.ac.uk/nursing/departments/cicelysaunders/newsevents/seminarseries.aspx>

Pharmaceutical Sciences

Pharmaceutical Sciences developed and implemented of a Clinically Enhanced Pharmacist Independent Prescribing PGCert for 90 HEE commissioned places for secondary care pharmacists across London and the South East. There has been implementation of a HEE – sponsored multi-sector foundation pharmacist training programme, establishing educational governance structures and application of workplace-based assessments in community pharmacy practice. The Visiting Professionals Programmes consists of six-week internships for international pharmacists to experience different dimensions of clinical pharmacy practice in the UK.

Psychological Medicine and Integrated care

The Dementia Training Centre is part of the Psychological Medicine & Older Adults Directorate (PMOA), at SLaM and works with their academic partners at the Old Age Psychiatry and Psychopathology Department based at the IoPPN. The centre offers a range of courses from online to face to face training programmes for example: A national online training resource for the Royal College of Psychiatrists for MindED UK at <https://mindedforfamilies.org.uk/older-people> has been developed.

In conjunction with the Maudsley Simulation team a one-day mental health simulation course is often suitable for a range of professionals involved in the care of patients with a dementia diagnosis.

Women and children's Health

A new MSc in Women and Children's Health and a new scholarly project for Year 3 MBBS students which engages medical students with research evaluation, hypothesis generation, research design and proposal writing were launched.

The Women's Health Summer School short course was delivered to 25 students from 19 countries. The MSc in Advanced Paediatrics has recently welcomed its eighth cohort. The department has begun offering competitive bursaries of £1,500 to both home and overseas students.