

# RADIOGRAPHY DEPARTMENT NEWSLETTER

## AUTUMN 2019 ISSUE 1

This is the first biannual edition of the newsletter for the Department of Radiography (Diagnostic and Therapeutic) and for all undergraduate, postgraduate and doctorate programmes. It is for distribution to clinical partners, research collaborators, students and alumni.

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## A NEW ERA FOR CITY RADIOGRAPHY WITH ARTIFICIAL INTELLIGENCE AT THE FOREFRONT OF EDUCATION AND RESEARCH



The Department of Radiography at City, University of London is leading future educational provisions and state-of-the-art radiography research on AI, through strong collaborations with clinical partners, academic institutions and industrial links.

Dr Christina Malamateniou, Postgraduate Programme Director for MRI/CT and lead for the Doctorate Programme in Radiography and Dr Ric Khine, Divisional Lead of Radiography act jointly as ambassadors on City's extended AI agenda. In this framework a dedicated AI event is organised in close collaboration with all the department's academics. This exclusive, invitation-only conference, titled 'Patient-centred care in the era of artificial intelligence and technological innovation' will take place on Tuesday 28<sup>th</sup> April 2020 from 9.30am to 4.30pm at City's Oliver Thompson lecture theatre.

The event will be sponsor-funded with contributions from professional bodies; research partners from City's Department of Computer Science; other higher education institutions; postgraduate, undergraduate and doctoral students; City academics; and our distinguished City alumni.

There will also be a lively exhibition area with booths dedicated to our sponsors and key stakeholders, including international collaborators, to encourage networking and interactive discussions for an audience of 250 people.

This is an event not to be missed. Registration links will be emailed by the end of November 2019. For information related to the event contact Christina at [christina.malamateniou@city.ac.uk](mailto:christina.malamateniou@city.ac.uk) or Ric at [ricardo.khine@city.ac.uk](mailto:ricardo.khine@city.ac.uk).

1<sup>st</sup> in London for Medical Technology,  
including Radiography

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satisfaction in Medical Technology,  
including Radiography

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## RECENT PUBLICATIONS OF CITY'S RADIOGRAPHY ACADEMIC STAFF

**Dr Edwin Abdurakman** had his innovative work on MRI microbubbles accepted at the prestigious journal of Magnetic Resonance in Medicine, one of the top 20 medical imaging journals in the world.

**Pam Cherry** jointly edited the third edition of a core textbook, published on 8<sup>th</sup> November. The textbook is titled: Practical radiotherapy: Physics and equipment (3<sup>rd</sup> edition), P Cherry and A Duxbury (Eds) by Wiley Blackwell.

**Dr Dave Flinton** has contributed three chapters on medical statistics, his field of expertise, in the textbook: Medical Imaging and Radiotherapy Research - Skills and Strategies (2<sup>nd</sup> edition), due to be published by Springer Publishers in 2020.

**Dr Christina Malamateniou** contributed to a paper in the journal Ultrasound as part of the I-FIND project, working with her master's student Mrs Jackie Matthew and research collaborators from Kings College London. She has further collaborated with researchers from Oxford University to co-author a paper in the Journal of American Medical Association (JAMA), one of the top three academic peer-reviewed journals in the world.

**Liam Mannion** has completed a systematic review looking at survival and local recurrence for patients who had brachytherapy as part of their treatment for muscle-invasive bladder cancer. This is due for imminent publication.

**Professor Gill Harrison** has contributed a paper in Radiography on U/S clinical teaching capacity in England and a poster on ultrasound ergonomics for the ultrasound awareness month.

## FORMAL RADIOGRAPHY RESEARCH MENTORING (FoRRM)



The FoRRM project steering committee

Formal Radiography Research Mentoring (FoRRM) is a mentoring scheme created with the overarching aim to increase research capacity and quality in radiography, as well as to offer a formal way to support future research leaders. It is funded by the Society and College of Radiographers (SCoR).

Started in 2015, the scheme offers one-to-one research mentoring between experienced radiographer research mentors and radiographer mentees with a clear commitment to a career in research, as documented in their mentee selection survey.

The 2017 pilot version of FoRRM originally had 12 mentor and mentee pairs and ran for eight months. FoRRM 2 is running for 12 months and has

17 pairs, offering more research synergies and support. The initial outcomes have been overwhelmingly positive, raising research awareness, engagement and research leadership for UK-based radiographers.

FoRRM 2 started in July 2019 and is currently under way at City, finishing in July 2020. Dr Soph Willis is one of the mentors for the scheme and Dr Christina Malamateniou (third from the right) leads the project and the steering committee.

Find out more about FoRRM on the SCoR webpages at [www.sor.org/career-progression/researchers/formal-radiography-research-mentoring-form](http://www.sor.org/career-progression/researchers/formal-radiography-research-mentoring-form).

## PARTNERSHIPS AND COLLABORATIONS

The Department of Radiography at City has achieved meaningful partnerships with industry, including the sponsorship of the Radiography2020 event (with Inhealth as Gold Sponsor) and has established many new awards in collaboration with Siemens Healthineers and Inhealth to reward consistent academic excellence by undergraduate and postgraduate students.

The Department also holds research collaborations with St Thomas's Hospital, UCLH, John Radcliffe Hospital, Nottingham University and University of the Arts, London, to deliver high quality education and research. There are also strong links with the European Federation of Radiographer Societies (EFRS), the SCoR and the British Institute of Radiology, where our academic staff hold senior leadership positions.

## INDIANA STUDENTS VISIT CITY



An international team of students and staff from the Department of Radiography, Indiana University, USA, visited City in February 2019. They were able to experience the high-quality academic and clinical education within City's Department of Radiography and joined our Diagnostic Radiography students at Bart's NHS Trust. Both students and staff were able to exchange views of their radiography curricula and learn from each other.

Everyone in the Department of Diagnostic Radiography and our clinical partners at Bart's NHS Trust contributed to this event, a wonderful experience for everyone involved. More international collaborations are currently being explored at undergraduate and postgraduate level in radiography and radiotherapy with other institutions, including HESAV in Switzerland and the Higher Colleges of Technology in the UAE. Watch this space.

## VARIAN ECLIPSE DOSIMETRY PLANNING SYSTEM UPGRADE



Over the summer, 2019 the Varian Eclipse Dosimetry Planning System received a significant upgrade. The 15 workstations and the server were replaced and the software was upgraded from version 11.0 to 15.6. This improvement, along with the recent addition of image matching capability, continue to provide City radiotherapy students with an excellent resource on which to learn and develop their knowledge and skills.

## A NEW DOCTORATE PROGRAMME

We are delighted to announce the start of our doctorate programme in Radiography from January 2020. Our first doctorate student, Mrs Emily Skelton, will be working on an antenatal imaging project of parental perceptions of the imaging service and associated parental-fetal bonding, supervised by

Dr Christina Malamateniou and Professor Susan Ayers. Emily was awarded the prestigious SCoR Doctoral Fellowship and further funding from City's Research Sustainability Fund. We are really looking forward to welcoming her to City. There are more doctorate students joining in 2020.

## AWARDS, GRANTS AND DISTINCTIONS

**Gill Harrison**, our Postgraduate Programme Director for Ultrasound and lead of teaching excellence, was promoted to Associate Professor in January 2019. Many congratulations to Gill for a very well-deserved promotion.

**Richard Thorne** has received the Exceptional Contribution to Student Experience SHS Award.

**Dr Soph Willis** and **Liam Mannion** were awarded the Excellence in Internationalisation Award. These are deserved distinctions, recognising their hard work over many years.

**Sam Penry** has achieved his PGCert with distinction and was awarded the prestigious Fellowship of the Higher Education Academy (FHEA).

**Chris O'Sullivan** successfully completed his MSc in Prostate Cancer Care in September 2019, on the effectiveness of couples-based psychosexual counselling in the management of disease and treatment-related sexual dysfunction.

**Dr Edwin Abdurakman** was awarded a University Pump Priming Fund for his post-doctoral work: Development of MRI microbubble-based contrast agents to measure pressure variation in the stomach, in partnership with University of Nottingham and Nottingham Trent University.

**Carl Roberts**, postgraduate MRI student, has been awarded the Mitchell Scholarship, towards his final year dissertation fees.

**Nathan Maitland-Davies**, undergraduate DR student, won the SCoR Student of the Year Award.

**Nour Al-Janabi**, postgraduate Ultrasound student, won the Young Investigator of the Year award at the BMUS conference.

**Dr Ric Khine** and **Dr Dave Flinton** have been appointed to the Editorial Board for the SCoR publication Imaging and Therapy Practice. Ric was also awarded a prestigious research grant to be joint Education Lead on the Health Education England (HEE) and SCoR collaborative project on implementing an Advanced Clinical Practitioner role in Oncology.

**Dr Christina Malamateniou** was awarded two CORIPS research grants from the SCoR on autism-friendly MRI and the FoRRM mentoring scheme.



## STAFF NEWS



**Dr Dave Flinton** has been appointed Visiting Lecturer to the University of Health and Allied Sciences, Ho, Ghana, lecturing on their inaugural taught doctoral programme for radiographers. Dave also joined the European Federation of Radiographer Societies (EFRS) Diploma Assessment Setting Board and ran the first sitting of the radiotherapy EFRS Diploma exam at City earlier this year.

**Professor Gill Harrison** has been an invited speaker on several occasions, including the BMUS 50<sup>th</sup> AGM and several diagnostic healthcare study days.

**Liam Mannion** was appointed external examiner for the BSc Radiotherapy and Oncology undergraduate course at Cardiff University. Liam is studying part-time for a PhD with the Translational and Oncology Urology Research (TOUR) group at King's College London.

**Dr Edwin Abdurakman** was appointed Programme Director for Diagnostic Radiography (UG) at City and member of the British Institute of Radiology (BIR) MR special interest group.

**Dr Soph Willis** was appointed strategic Lead for Practice (AHP) for the School of Health Sciences and member of the IT SCoR group.

**Georgina Turner** has agreed to take on the role as Clinical Coordinator for Diagnostic Radiography and be responsible for the day-to-day management of DR practice placements.

**Sam Penry** has worked with Cancer Research UK to review and edit the patient information webpages relating to diagnostic radiography (diagnostic tests).

**Jayne Morgan** has been working closely with the SCoR on a new IV cannulation course to deliver high-quality CPD provisions to all City Radiography clinical partners, after popular demand from our collaborating sites.

**Dr Christina Malamateniou** was invited to speak at the European Congress of Radiology in Vienna, the Annual Radiology Meeting in Dubai and the Danish Society of Radiography in Odense to present her clinical and educational research projects.

**Dr Ric Khine** continued his work this year as Visiting Lecturer at the University of Riga, Latvia, lecturing on the National Training Course for Radiation Therapy Technologists (RTTs).

## CITY STUDENT WINS TOP AWARD ON WORLD RADIOGRAPHY DAY

Recent School of Health Sciences graduate, Nathan Maitland-Davies, won the UK Diagnostic Student Radiographer of the Year Award, at the Society and College of Radiographers Awards 2019. Nathan received his award at the ceremony from Gill Hodges, SCoR president; Jodie Bridge of Radiography Awards sponsors Philips Healthcare; and Sir David Behan, chair of Health Education England. This is a very prestigious award and we are very proud of you Nathan. Nathan now works at the Royal Free Hospital, London.

