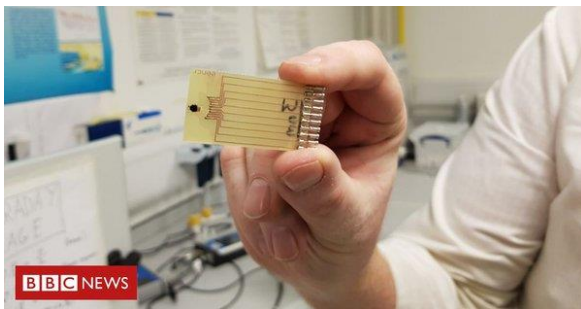


CDT NEWSLETTER

August 2019

Dr Damion Corrigan, former EngD student **Dr Andrew Ward** and Year 3 EngD student **Vincent Vezza** were given extensive media coverage on television programmes including, BBC News, Victoria Derbyshire, and Today where they promoted their development of a new rapid test device for earlier diagnosis of sepsis which could save thousands of lives.



Former EngD student, **Matthew Banger** and his research team recently won The European Federation of National Associations of Orthopaedics and Traumatology (EFORT) Free Gold Award in Orthopaedics for 2019.



Visits

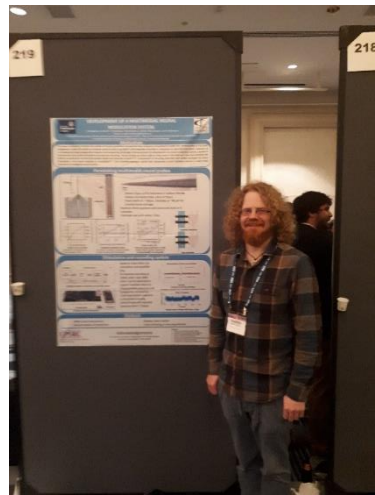
In January/February, **Ian Coghill** visited Professor Ir. Heidi Ottevaere, Brussels Photonics Team (B-PHOT), Department of Applied Physics and Photonics where he attended an xClass Training event covering photonics technology supply chain; optical modelling, design and tolerance analysis of optical components; the basics of imaging

sensors; computational imaging techniques; intellectual property; prototyping and fabrication of photonic components; optical measurement techniques. It provided him with an insight into how technologies and techniques developed in the lab, may be brought into the marketplace. During the remainder of the visit he worked on obtaining an optical model of the ophthalmic imaging system which he is using in his EngD project.

Final year student, **Zanib Panni**, recently presented a poster at SDRC conference and also attended Alzheimer's research UK (ARUK) annual conference. She was also recently awarded a £2000 junior researcher grant by ARUK.

Conference Attendance

Final year student, **Ruaridh Winstanley** presented his work at the IEEE EMBS Conference on Neural Engineering in San Francisco <https://neuro.embs.org/2019/>. The conference highlighted the most recent advances in emerging neuro-technologies for the restoration of impaired cognitive and motor functions. The conference featured four days of talks and poster presentations, with subjects which closely matched his own research topic.



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In his report Ruaridh said that “One of the more inspiring talks was from [BrainGate](#), an organisation who use implanted microelectrodes to decode neural signals from the brain; allowing paralyzed patients to intuitively control external devices such as tablets and robotic arms using thought. Seeing such positive results in the patient community was encouraging as it helped put my work into perspective.”

Aiden Hannah from Year 3 presented a flash talk at the Rapid Diagnostics for Antimicrobial Resistance at a Knowledge Exchange Event which was held on 29 April 2019 during Engage with Strathclyde week.

In early June, Year 2 student **Daniel Longhorn**, presented a poster at the British Society for Cardiovascular Research Spring Meeting in Manchester.

CDT Events

Ahead of the project list being issued a **CDT Workshop** was held where Year 2 students gave a presentation to Year 1 on “Tips on Choosing your Research Project”. This was very well received and gave the students a chance to network with one another and further discuss the challenges involved in making their project selection.

We recently held an out-of-hours **CDT Networking Event** to help our student cohort understand the academic and industrial landscape with the MedTech sector. The event provided the opportunity for members of the EngD cohorts to meet their peers in other years, key CDT and SIMD staff and some of the successful alumni of the Centre for Doctoral Training. The event was held in a private function room of a local restaurant which provided an informal environment for one-to-one and group discussion.

Upcoming Events

Two final year students, **Ian Coghill** and **Francesca Farrell** will be presenting at the 41st Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC'19) at the City Cube Berlin, Germany 23-27 July 2019

Year 2 student, **Flynn Lachendro**, is heading to Italy in September to take part in an ECTS PhD Training Course aimed at promoting general knowledge of bone research to young investigators. Now in its 13th year this course has been hailed as one of the most innovative and successful courses in the bone field.

For the second time our years 2-4 students will be presenting at, and attending, **BioMedEng19** at Imperial College in September.

Alumni Update

Congratulations to former EngD students:

Christopher Lynn for being promoted to Staff R&D Engineer at Smith & Nephew.

David Hughes, Novosound founding Director and CTO, on winning the Rising Star award at a recent **WeDO Scotland** Award ceremony in Edinburgh. www.novosound.net
<https://www.wedoscotland.com/>.

Andrew Whitton on recently starting a new position as Technical Director at Advena Ltd.

Andrew Ward on being awarded a Chancellor Fellow's position within the University's Civil and Environmental Engineering Department.

Finally, we are delighted to welcome back to Strathclyde, **Helena Mulvana**, who was one of our first cohort of EngD students, when she takes up a Chancellor Fellow's post at the Biomedical Engineering Department.