



THE PILLAR

Centre for transformative healthcare



Welcome to The Pillar Centre for Transformative Healthcare

Supporting Ireland's next generation of educators, researchers and innovators





Mr Alan Sharp *CEO, MMUH*

WELCOME TO THE PILLAR CENTRE FOR TRANSFORMATIVE HEALTHCARE

Offering a unique, flexible, interdisciplinary educational space for education, clinical research and innovation

“The Pillar Centre for Transformative Healthcare exemplifies the vision of the Mater Misericordiae University Hospital to be a leader in innovation of specialist services and healthcare transformation with a strong academic and research agenda.

We are committed to making the Mater Misericordiae University Hospital the Hospital of Choice when it comes to delivering exceptional care to our patients while leveraging our unique position to enhance education, research and innovation to create further advancements for the benefit of our patients. We value our partnerships and collaborations and we believe that by working together, we can discover, develop, and deliver the best outcome for our patients.”

Ideally situated in the Mater Misericordiae University Hospital campus, The Pillar Centre for Transformative Healthcare is one of a kind, creating a unique, vibrant mixed-use space to become a stimulating hub for students, researchers and entrepreneurs in the heart of Dublin city.

THE PILLAR CENTRE FOR TRANSFORMATIVE HEALTHCARE
***DEVELOPING PARTNERSHIPS, INNOVATION, LEARNING,
LEADERSHIP, ACADEMIA & RESEARCH***

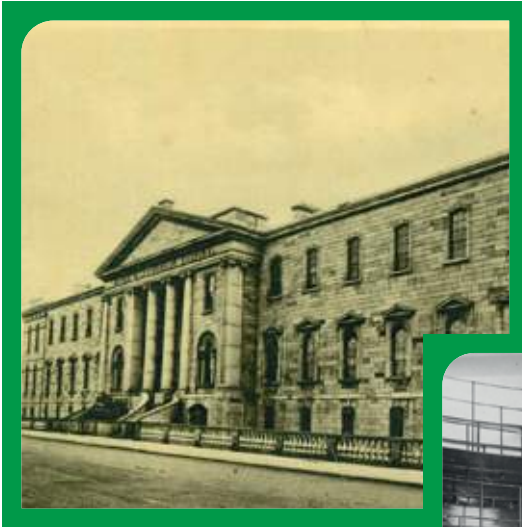




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Hospital opening

1861



West wing opening
(1886) medical ward

1886



Theatres

1861

OUR LIVING LEGACY - WHAT MAKES US UNIQUE?

The Mater Misericordiae University Hospital (MMUH) is an active, acute level 4 teaching hospital with a significant historical legacy situated in the heart of Dublin city. The hospital was opened in 1861 by the Sisters of Mercy. In addition to the local services to its catchment area, MMUH provides a range of frontline and specialist services on a regional and national level.

Education, training and research have always been at the core of MMUH with the hospital playing a key role in the delivery of a number of undergraduate and postgraduate academic programmes.

Strengthened by over 150 years of medical achievements and innovations in MMUH as well as educators with applied professional experience and specialised expertise, the Pillar Centre for Transformative Healthcare is the perfect location for Education, Research and Innovation.



Chapel in West Wing



ICU in 2009



Opening of The Pillar Centre

1890

2009

2018

THE PILLAR CENTRE FOR TRANSFORMATIVE HEALTHCARE

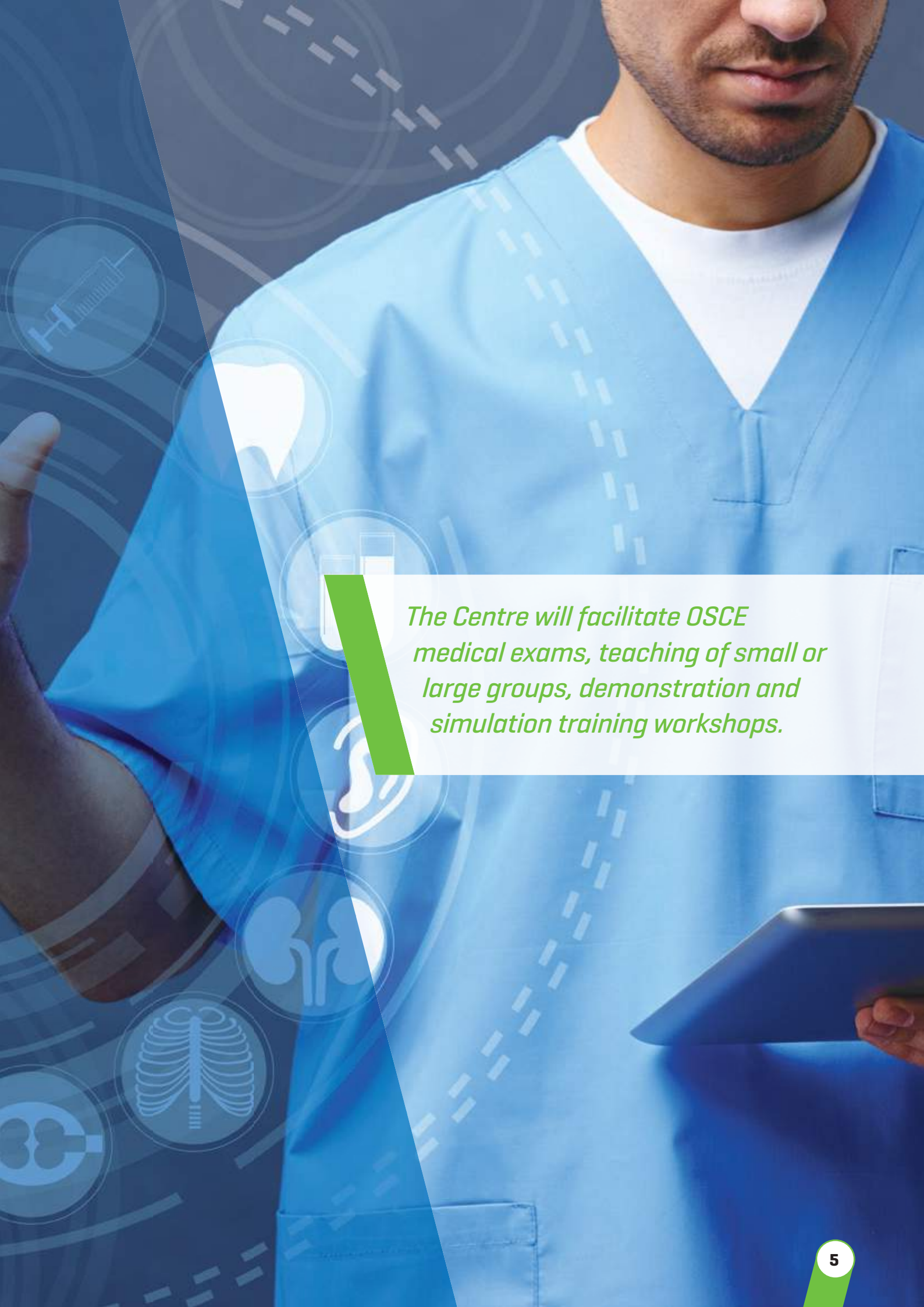
Offering a unique, flexible, interdisciplinary educational space for clinical research and innovation

The Centre is located in the magnificent setting of the Mater Hospital's 1861 building which has been refurbished to an exceptionally high standard. It complements the existing educational facilities within the Mater Hospital and University College Dublin and incorporates a Lean Academy and a library. The Centre will facilitate OSCE medical exams, teaching of small or large groups, demonstration and simulation training workshops.

NEXT PHASE OF DEVELOPMENT

- High fidelity simulation facilities (including SimMan and control room)
- A cadaveric unit
- A wet laboratory
- Device development space (focusing on high-end postgraduate education and surgical skills training)



The background of the page features a man in blue scrubs holding a tablet. Overlaid on this are several circular icons representing medical concepts: a syringe, a tooth, test tubes, a heart, a kidney, a ribcage, and a brain. The overall color scheme is blue and green.

The Centre will facilitate OSCE medical exams, teaching of small or large groups, demonstration and simulation training workshops.

OUR VISION

Our vision is “To be a leader in innovation of specialist services and healthcare transformation with a strong academic and research agenda demonstrating consistent efficiencies and quality care improvements and delivering excellence in our care as perceived by our patients.”

WE OFFER FULL ACCESS TO

- training supports
- lecture theatres
- break-out rooms
- high bandwidth communication facilities
- simulation technologies
- comprehensive biomaterial access and support





EDUCATION & TRAINING

Extending the benefit of a university graduate education to working clinical and non-clinical professionals

The Mater Hospital plays a key role in the delivery of a number of undergraduate and postgraduate academic programmes. University College Dublin (UCD) has been our academic partner since the hospital's foundation in 1861. Together the two institutions have demonstrated a commitment to stimulating a culture of learning and enquiry which has led to the establishment of one of the foremost centres for clinical training in Ireland.

The hospital also works closely with other academic institutions including RCSI, RCPI, Trinity College and Dublin City University, amongst others.

Our strong academic partnerships help to ensure that academic programmes are grounded in clinical reality and that our clinical practitioners remain submerged in and up to speed with developments in academia and research.

The Pillar Centre for Transformative Healthcare offers a high quality educational and training experience in a Level 4 teaching hospital setting. We believe in providing and developing specialist training that is professionally rewarding and relevant to your needs.

NEXT PHASE OF DEVELOPMENT

- additional postgraduate education programmes
- surgical skills training
- POCUS (Point of Care Ultrasound) modules
- device development space (focusing on high-end postgraduate education and surgical skills training)





The Pillar Centre for Transformative Healthcare offers a high quality educational and training experience in a Level 4 teaching hospital setting.



POCUS

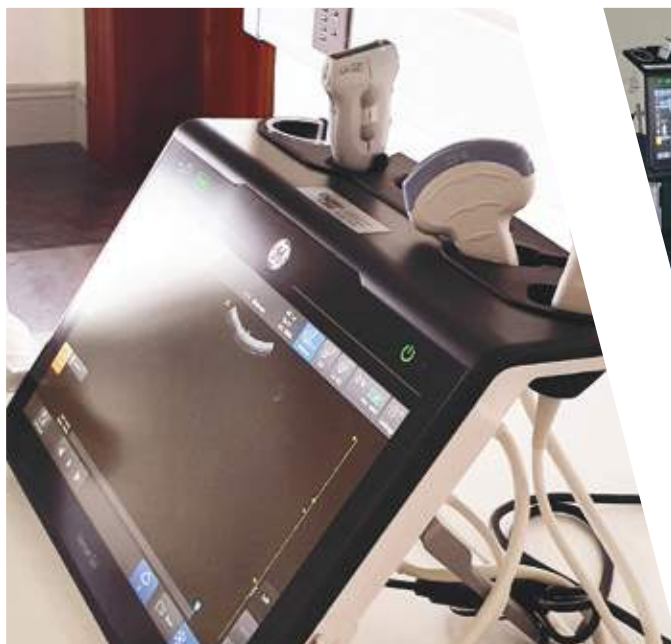
WHAT IS POCUS?

POCUS is seeing with sound, where the clinician managing the patient is actively acquiring, interpreting and clinically integrating focused ultrasound in real time to help make management decisions at the patient's bedside. Technology has reached a point where the hand held ultrasound device will replace the stethoscope in this generation of medicine.

- Image Acquisition
- Image Interpretation
- Clinical Integration

This is a point of care ultrasound course is for clinicians working in emergency medicine, critical care medicine, acute medicine, general internal medicine, respiratory medicine, cardiology, general surgery, general practice and pre-hospital care.

The Mater Hospital has an exceptional reputation for clinicians teaching bedside ultrasound, making POCUS training at The Pillar Centre for Transformative Healthcare a leading choice for clinicians



**“Learning never
exhausts the mind.”**

— Leonardo da Vinci





RESEARCH

Bringing together academic institutions and health systems to work in a unified, comprehensive approach for addressing health disparities and improving health outcomes


The Mater Misericordiae University Hospital has a reputation for delivering high quality research that delivers real and meaningful impact to its patients and to healthcare generally. Since 1852 we have worked hand in hand with our partners in UCD to deliver the clinical research and innovation as well as education and training. UCD has been ranked in the top 100 globally for pre-clinical, clinical and health sciences, in no small part due to its partnership with the Mater Hospital.

The pace of scientific research is continually accelerating and we have an engaged and supportive clinical workforce that helps make the Mater campus exceptional.

CLINICAL RESEARCH CENTRE (CRC)

Clinical trials are a complex part of our industry and the Clinical Research Centre at the Mater Hospital was established in 2002 to provide support for experimental medicine and clinical trials.





“Research is to see what everybody else has seen, and to think what nobody else has thought.”
- Albert Szent-Gyorgyi

GENOMICS INITIATIVE

The Genomics Initiative integrates several strands of activity, including

- molecular medicine laboratory
- molecular pathology
- next generation sequencing laboratory

The Pillar Centre for Transformative Healthcare and the Ireland East Hospital Group are developing a comprehensive clinical genetics programme to support key services including cancer, cardiovascular disease, immunology, metabolic diseases, neurology and rare diseases.

The opening of the Next Generation Sequencing Laboratory in the Mater has enabled us to move from experience-based medicine to a precision medicine approach by identifying driver mutations in the NGS laboratory. The laboratory now has the capacity to introduce testing across multiple clinical specialties, including cardiology and ophthalmology.

BIOBANKING FACILITIES

With the development of Clinical Academic Directorates, clinical research and clinical trials facilities, the Innovative Genomics Initiative and partnerships with industry, there will be a growing

demand for an accredited, curated bio-banking facilities, specifically sample processing, quality control, tagging, monitoring and storage. This requires a dedicated facility, with state-of-the-art sample curation and storage using a secure and rapidly accessible facility with alarmed freezer system and liquid nitrogen back-up. The resource will prove invaluable for the future, for research and for partnership with industry.

LIBRARY SUPPORT SERVICES

The Mater library hosts a valuable core collection of books and journals which reflect the areas of operation of the hospital and meet the information and continuing education needs of hospital staff and students in addition to access to computerised databases of the health literature e.g. Medline, CINAHL and the Cochrane Database. The next development phase will see a Research Repository established in MMUH.

INNOVATION

Enabling entrepreneurial learning opportunities through its diverse set of courses, events, programmes and initiatives

Healthcare organizations face unprecedented challenges to improve quality, reduce harm, improve access, increase efficiency, eliminate waste, and lower costs. This creates a pressing need for a fundamental rethink of the way health services and systems are organized and financed. Innovations designed to improve life expectancy and quality of life. Increasingly, innovation in health services involves the development, introduction and mainstreaming of new technologies, ideas, services, and products that provide solutions to existing healthcare problems. 'Innovation' denotes new, better, more effective ways of solving problems.

INNOVATION OFFICE, MMUH.

The Innovation Office, led by our Innovation Manager, acts as a focal point for collaborations and exchange our students, our staff and industry. The Innovation Office provides support and advice to individuals, academics, pharmaceutical and medical device companies, and other groups who are developing innovative health products or technologies.

ACADEMY FOR HEALTHCARE LEADERSHIP

The Mater Hospital and UCD are developing a bespoke curriculum for an Executive Leadership programme, to provide healthcare staff with the knowledge to implement significant systems reform.

LEAN ACADEMY

The Mater / UCD Lean Academy offers consulting, coaching and training for all disciplines as they learn the value of Lean methodology and practices.

CO-LAB

A co-working space for our partners in transforming healthcare. CO-LAB will enable the Mater to scale up our collaborative partnerships by providing a practical environment for external partners and our staff to work together.

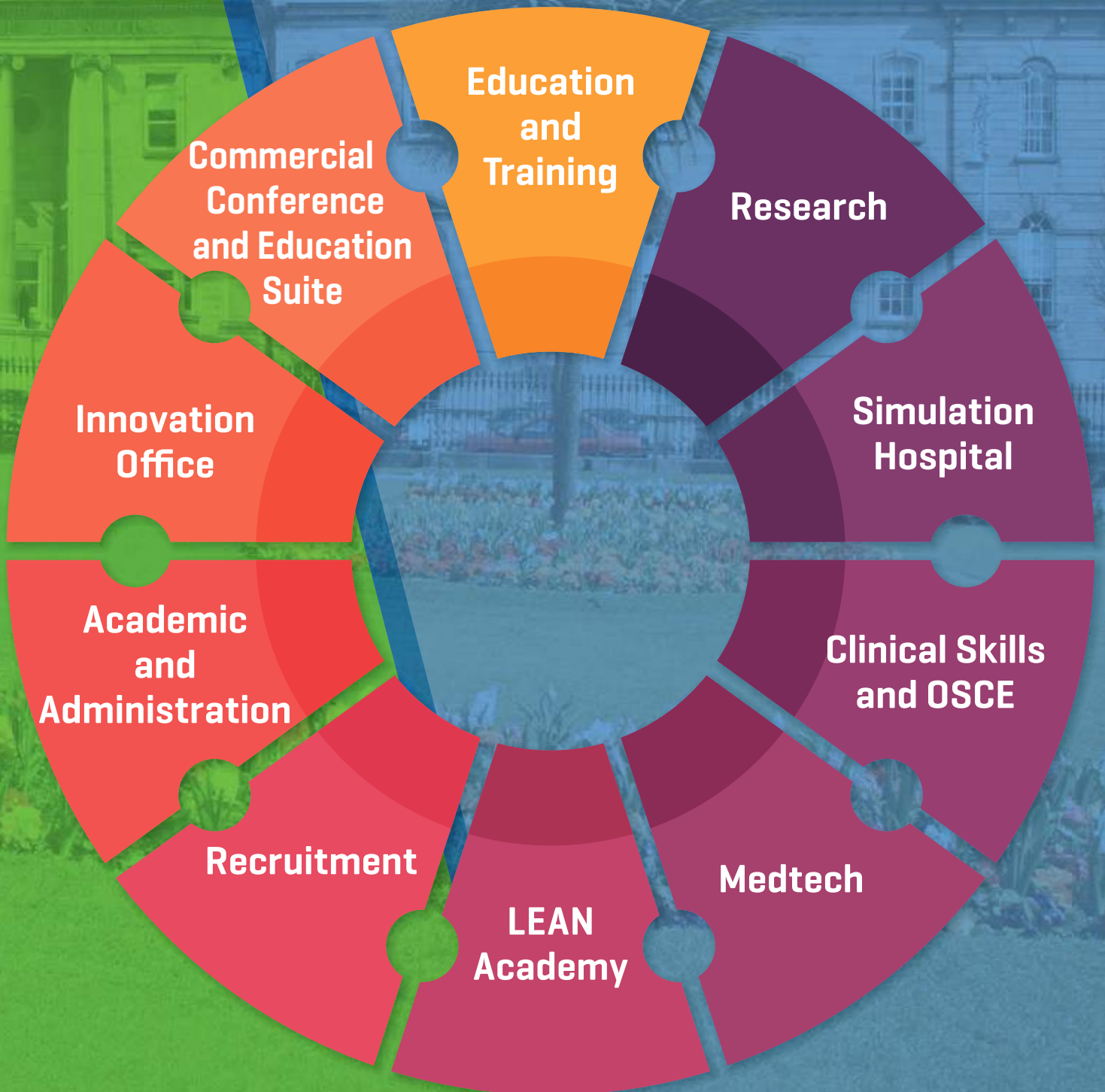


*"Innovation:
Imagine the
future and fill
in the gaps."
— Brian
Halligan*



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MEET THE TEAM

DIRECTOR Prof Brendan Kinsley

“As Clinical Director of the Pillar Centre for Transformative Healthcare and the Directorate for Education, Research and Innovation (DERI), I am committed to the implementation and success of our Strategy for 2020-2023. Our goal is a centre which optimises added value postgraduate education, research and innovation on the campus of an Academic University Teaching Hospital. We believe that this development will result in improved outcomes for our patients, the community and our staff.”

Prof Kinsley is a Consultant Endocrinologist at the Mater Misericordiae University Hospital

[MMUH]. He is a medical graduate of University College Cork. He subsequently trained in MMUH before moving to The Joslin Diabetes Centre, Harvard Medical School, Boston, USA for a clinical and research fellowship in diabetes mellitus and endocrinology. Prof. Kinsley was an attending physician at the Joslin Diabetes Centre and Brigham and Women’s Hospitals in Boston before returning as a consultant at MMUH. From 2015-2020 he was Executive Clinical Director of MMUH. He is also the current president of the Irish Endocrine Society.



OPERATIONS MANAGER Erin Daly

Erin graduated from UCC in 2003 with a BSc in Microbiology. Bolstered by her passion for healthcare improvement and innovation, she later graduated with a Lean Six Sigma Black Belt in Healthcare. Education, research and innovation have been the focal points of Erin’s career to date. Erin has more than 13 years of experience in a Healthcare setting, in both the Private and Public sector, in a primary care setting as well as that of a level 4 teaching hospital. Her experience in leading and supporting improvement projects as

well as industry, research, education and innovation experience will enable the delivery of an efficient and high quality service in the Pillar Centre for Transformative Healthcare. “In the Pillar Centre for Transformative Healthcare we are committed to supporting developments in education, research and innovation resulting in improved outcomes for our patients and community.”



CHAIR OF HEALTH AND SOCIAL CARE PROFESSIONS DIRECTORATE, HEALTH & SOCIAL CARE DIRECTORATE, TRANSFORMATION OFFICE

Una Cunningham

With twelve years' experience as a Clinical Speech and Language Therapist and over twenty years' experience in healthcare management, spanning adult and paediatric healthcare contexts in Ireland and Australia, Una is committed to enhancing health services through co-design and collective leadership, inter-professional collaborative practice and promotion of quality and safety. Una is Head of Transformation and Clinical Lead for the Health

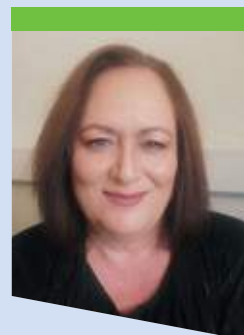
and Social Care Professions Directorate at the Mater Hospital. In her role as Head of Transformation, Una is responsible for overseeing change management including the on-going work of the Mater Lean Academy, Innovation and Team Development functions. Her work has been published in BMC Health Services Research, BMC Medical Research Methodology, BMC Medical Education, BMJ Open and the International Journal of Environmental Research & Public Health.



ADMINISTRATOR
Paula Oragano

Paula has worked in the Mater Misericordiae University Hospital for the past 7 years. She has held posts in the HR department, and worked as Administrator for the Mater Lean Academy before joining the Pillar Centre for Transformative Healthcare in 2017. Paula previously led a team which undertook a comprehensive outpatient waiting list validation for both the Mater Misericordiae University Hospital and the Royal

Victoria Eye and Ear Hospital resulting in reduced DNA's throughout various outpatient departments. Paula comes from a construction industry background where she spent 2 years on the build of the Mater Hospital and held the role of Document Control Manager on four of the biggest infrastructure projects in Ireland.



FACULTY



PROFESSOR OF SURGERY MMUH AND UCD SCHOOL OF MEDICINE & MEDICAL SCIENCE

Ronan Cahill

Professor Ronan Cahill graduated MB,BAO,BCh [Hons] from University College Dublin in 1997 and then completed his basic and specialist surgical training in Ireland, gaining both MD by thesis [Health Research Board Clinical Research Fellow] and FRCS by examination. Thereafter, he was a clinical fellow at the IRCAD/EITS Institute in Strasbourg, France from 2007 to 2008 before moving to the Oxford Radcliffe Hospitals as senior fellow and then consultant and senior clinical researcher from 2008 to 2010. Ronan

returned to Ireland in 2010 as consultant general surgeon [specialist interest in colorectal surgery] at Beaumont Hospital before taking up the position of Professor of Surgery at University College Dublin, and the Mater Misericordiae Hospital in June 2014. He has a major academic interest in Surgical Innovation and New Technologies and active basic science, clinical and device development research partnerships both nationally and internationally.



DIRECTOR, UCD CLINICAL RESEARCH CENTRE

Peter Doran

Prof. Peter Doran is the Associate Dean for Research, Innovation and Impact at the UCD School of Medicine, Director of the Ireland East Hospital Group research network and Director of the UCD Clinical Research Centre [CRC]. Prof Doran also leads the UCD-Abbott Biomarker programme, which has established a high throughput biomarker validation laboratory, which is contributing to major national and international end organ damage

biomarker studies, reflecting his research interests in the molecular drivers of organ damage, biomarker discovery and translation to practice. In addition to his research and leadership roles, Prof Doran also leads the graduate taught programme in clinical and translational research at UCD and Chairs the Biomedical research Degrees Committee at the UCD School of Medicine.



CONSULTANT EMERGENCY MEDICINE & POCUS INSTRUCTOR

Tomás Breslin

Dr. Tomás Breslin is a Consultant in Emergency Medicine in the Mater Misericordiae University Hospital, and UCD Associate Clinical Professor at UCD School of Medicine. He has recently been appointed as NDTP Training lead for Ireland East Hospital Group. He is co-founder of POCUS at the PILLAR which delivers bedside ultrasound courses and modules for trainees and consultants in Emergency and Internal medicine in partnership with the RCPI and RCSI. He has been the Clinical lead for Major Trauma Audit in the Mater since 2013 and

Chair of the Mater Resuscitation Committee since 2010. He is the Irish Association for Emergency Medicine national representative on the National Office for Clinical Audit [NOCA] Major Trauma Audit Governance Committee, RCPI Alcohol Policy group, and Emergency Management of Injuries and Post-exposure Prophylaxis. He is a co-founder/organiser of the international VTEDublin conference www.vtedublin.org/ which was run from the Pillar Centre virtually this year and the European Trauma Course which will be run there next year.



CONSULTANT EMERGENCY MEDICINE & POCUS INSTRUCTOR **Cian McDermott**

Cian works as the Director of Emergency Ultrasound Education and is a Consultant in Emergency Medicine in the Mater University Hospital in Dublin, Ireland. He spent several years in Melbourne, Australia working in Emergency Medicine and specialising in point of care ultrasound (POCUS). He has been an organising committee member and

ultrasound workshop director of the global conference Social Media and Critical Care [SMACC.net.au] conference (now CODA, codachange.org) and he leads international POCUS workshops in Europe, North American and Australia. He is a local US trainer in Ireland and is a heart lung and abdomen mentor for FUSIC in the UK.



CONSULTANT COLORECTAL AND GENERAL SURGEON & CHIEF CLINICAL INFORMATION OFFICER **Conor Shields**

Conor Shields is a consultant colorectal and general surgeon at the Mater Hospital, and Associate Clinical Professor UCD. His specialty interests include laparoscopic surgery, rectal cancer, peritoneal malignancy, surgical endoscopy, and hernia surgery, including abdominal wall reconstruction. He is currently the Chief Clinical Information Officer and the Strategic Lead for Electronic Healthcare Record in the Mater Misericordiae Hospital. Clinically, he played a leading role in the development of the National Centre for

Peritoneal Malignancy at the Mater Hospital. He was the recipient of the Dr Richard Steevens scholarship in 2007, and was invited to deliver the 31st Millin Lecture (2008, Royal College of Surgeons). He was awarded the Bennett Medal in 2006 (Trinity College, Dublin), and received an Outstanding contribution award from the Society of Academic and Research Surgery (Leeds 2003). He was the recipient of the 2001 Susman Memorial Award (Surgical Infection Society).



CONSULTANT ORTHOPAEDIC SURGEON, NATIONAL SPINAL INJURIES UNIT, MMUH **Seamus Morris**

Seamus Morris is Associate Professor of Surgery in UCD and a Consultant Spine Surgeon. He has a keen interest in medtech development, previously being a runner up in the Enterprise Ireland Clinical Innovation award and subsequently cofounding Latch Medical, a successful start-up med tech company that span out of UCD having raised over €1 million seed funding. Seamus's clinical research interests include areas such as

spinal trauma and tumour. He has previously served as director of the national spinal injuries unit, chairman of the department of orthopaedic surgery in the Mater Hospital and Secretary of the Irish Institute of Trauma and Orthopaedic Surgery.

* In 2021, the Pillar Centre for Transformative Healthcare will welcome Directors of Education, Research and Innovation to the team.

OUR FACILITIES & SERVICES

The Pillar Centre for Transformative Healthcare is fast-growing, flexible facility that recognises our strategic location in the provision of Educators with applied professional experience and specialised expertise

The Pillar Centre for Transformative Healthcare is accessed by using the Hostel entrance on Eccles St.

Taking the first lift to level 3 you will be directed to the end of the corridor and take last right turn, reception is the first door on your left when entering the Pillar Centre for Transformative Healthcare corridor.

- The building comprises a total of 400 sq m (1,300 sq ft) arranged over one floor
- 5 flexible hi-spec teaching rooms with natural daylight and natural ventilation in all rooms
- Central location – 20 minutes from Dublin airport and just minutes from the city centre
- State-of-the-art audio visual system including projectors and screens
- Bed head trunking in rooms 1, 2, 3 and 4 and live medical gases in rooms 2 and 3
- Free WiFi
- OSCE exam facilities
- Demonstration and basic simulations
- Lecture / class / break-out rooms
- Car parking facilities and hotel accommodation in close proximity
- Technical support ancillary services support on site
- Locker space
- WC's (male, female and disabled WC provision)
- Cafés on hospital campus
- ATM facilities on hospital campus
- CCTV in public areas

	Area (sq.m)	Capacity (Pre COVID)	Capacity (Post COVID)
ROOM 1	39m ²	15-20	9
ROOM 2	53m ²	35 maximum	13
ROOMS 1 & 2	92m ²	50-65	22
ROOM 3	78m ²	55-70	18
ROOM 4	72m ²	55-70	18
ROOM 5	76m ²	55-70	18
ROOMS 4 & 5	148m ²	100-120	36

The above guidelines are based on lecture configuration

Our team is available to answer your queries on event set up and our new event safety measures at ThePillar@mater.ie. We look forward to working with you soon.





**The Pillar
Centre can cater
for Live, Hybrid
and Virtual
events**

WHY WORK WITH US?

“The Pillar Centre for Transformative Healthcare - I am sure that this ambitious plan, and specifically its five strategic goals, will position The Mater Hospital at the leading edge of medical science, research, innovation and post-graduate education in the years ahead.”

David Begg, Chairman MMUH Board of Directors

“..delivering exceptional care to our patients while leveraging our unique position to enhance education, research and innovation to create further advancements for the benefit of our patients.”

Alan Sharp, Chief Executive MMUH

“Our goal is the creation of a centre which optimises the potential of staff at the MMUH in collaboration with academic, commercial and local partners to advance added value education, research and innovation on the clinical campus of a Clinical Academic Medical Centre.”

Prof. Brendan Kinsley, Clinical Director, The Pillar Centre for Transformative Healthcare





OUR LOCATION

Situated in the West Wing of the Misericordiae Building of MMUH, the Pillar Centre for Transformative Healthcare offers a unique, interdisciplinary space for education, clinical research and innovation. Located just 20 minutes from Dublin airport and just minutes from the city centre, the Pillar Centre for Transformative Healthcare offers an easily accessible, central location, for those travelling from further afield.

CONTACT US

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The Pillar Centre for Transformative Healthcare exemplifies the vision of the Mater Misericordiae University Hospital to be a leader in innovation of specialist services.



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