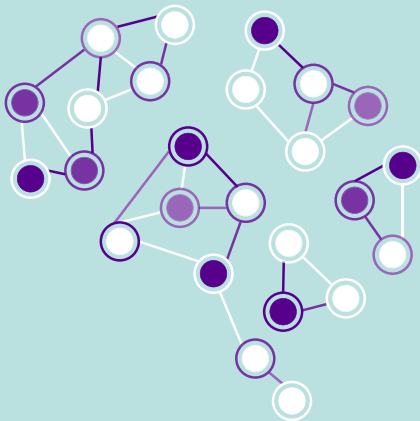


Patient Inspired Innovation

Welcome to the issue 1 of the NIHR Brain Injury MedTech Co-operative newsletter. In this edition, find out more about the commencement and launch of the Brain Injury MedTech Co-operative (MIC) and other events that may be of interest.

About us

The MIC is one of eleven national MedTech and In Vitro Diagnostic Co-operatives (MICs) funded by the National Institute for Health Research (NIHR).



The MIC works with patients, carers, academics, clinicians and industry to develop new medical devices, healthcare technologies and technology-dependent interventions to improve treatment and quality of life for patients with brain injuries.

Get Involved!

The MIC has developed a volunteer register for patients and carers to assist in the advance of healthcare technologies. For more information, please visit our website:

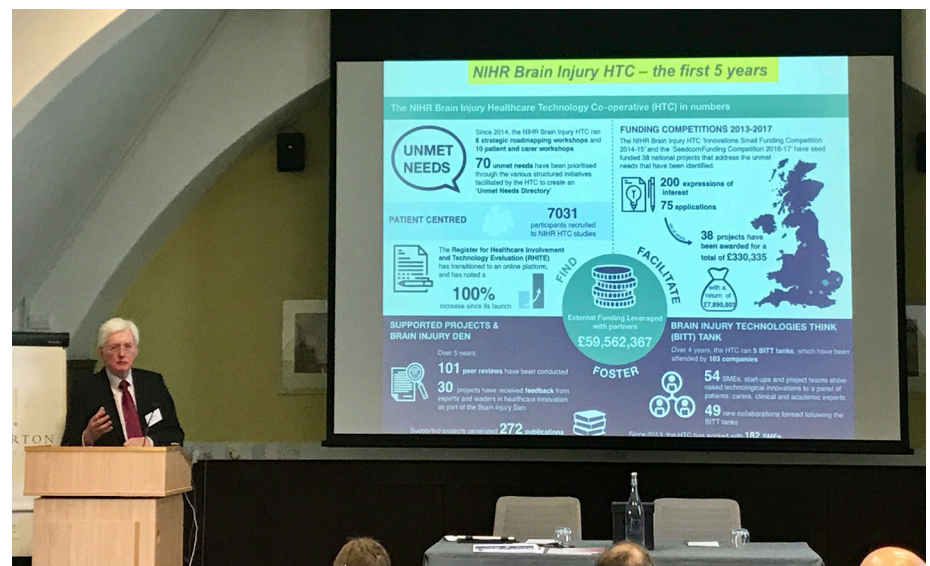
<http://www.brainmic.nihr.ac.uk/rhite>

NIHR Brain Injury MedTech Co-operative (MIC) officially launched

Following on from the NIHR Brain Injury Healthcare Technology Co-operative (HTC) from 2012 to 2017, we are delighted to announce that the Brain Injury MedTech Co-operative (MIC) commenced on 1st January 2018 and that the Programme for the next five years was officially presented on Wednesday 25th April with an all-day event at the Homerton College in Cambridge.

The launch was opened by Mr Nathan Moore from the Department of Health and Social Care, and it featured the talks of different speakers contributing to the many projects and fields of the Programme which will build on the successful past five years and continue to facilitate and foster innovation for the brain injury pathway and patients.

“Innovation must not be a fringe activity and finding a better way of working is everybody’s job” stated Professor John Pickard, BrainMIC Honorary Director, officially launching the Programme to the audience.



As a ‘go-to’ centre of expertise for understanding the clinical care pathway the BrainMIC will catalyse innovation in eleven clinical areas led by internationally renowned experts in their respective field and it will be committed to new research projects and activities engaging with industry, patients, carers, NHS, charities, academia, inventors SMEs, business angels and medtech companies.

In particular, a fundamental role will be played by Patient and Public Engagement (PPI) and the Third Sector. The MIC will build on the HTC strong commitment to involving and engaging with patients, carers and the public, and past collaborations with charities including Headway Cambridgeshire, Brain Tumour Charity, Stroke Association, MS Society, Designability (Bath), AMRC, Carer's Trust, and Children's Brain Injury Trust.

The Brain Injury MIC is composed of a core team and a group of experts - with professional leadership for specific clinical theme areas reflecting the patient pathway from initial ictus to final outcome reintegration into the community:

THE MIC CORE TEAM

Honorary Director - Professor (Emeritus) John Pickard

Deputy Director - Dr Peter Jarritt

Deputy Director - Dr Alexis Joannides

Programme Manager - Ms Mita Brahmbhatt

Programme Coordinator - Ms Francesca Piffer

Patient and Public Involvement (PPI) Lead - Professor Christi Deaton

Health Economics

MIC THEMES

1. **Pre Hospital and Prevention** - Professor Mark Wilson
2. **Neurocritical Care** - Professor David Menon
3. **Multi-Modal Monitoring** - Professor Peter Hutchinson
4. **Intracranial Dynamics and Shunt Technology** - Professor Marek Czosnyka and Dr Peter Smielewski
5. **Functional Neuroimaging and Neuropsychology** - Professor Franklin Aigbirhio
6. **Neuro-oncology** - Mr Stephen Price
7. **Paediatrics and Neurodevelopment** - Professor David Rowitch & Professor Topun Austin
8. **Regenerative Neuroscience** - Dr Mark Kotter
9. **Neurorehabilitation** - Professor Valerie Pomeroy
10. **Cognition and Mental Health** - Professor Barbara Sahakian
11. **Neuropsychological Rehabilitation** - Dr Andrew Bateman

CROSS-CUTTING THEMES

MedTech Evaluation - Dr Peter Jarritt

Clinical Informatics - Dr Alexis Joannides

Patient and Public Involvement (PPI) Lead - Professor Christi Deaton

Health Economics

Register for Healthcare Involvement and Technology Evaluation (RHITE)

The BrainMIC has successfully implemented the Register for Healthcare Involvement and Technology Evaluation (RHITE), a volunteer register for patients, carers and anyone interested to be involved in research and assist in the advancement of healthcare technologies. The MIC will build on the HTC Unmet Needs Directory, to ensure that research is focused on questions that are important to people with brain injuries, and those who care for them. To find out more, please visit <https://brainmic.nihr.ac.uk/rhite> and to register to RHITE follow this link: <https://orioncloud.org/rhite>

Contact us

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Twitter: @NIHRBrainMIC

How the unborn brain develops

An alternative evening lecture in a London pub revealing the mysteries of the developing brain.

What makes us human? We all start off as a single fertilised egg - but within 9 months the newborn brain has over 100 billion cells and has made over 100 trillion connections. Far from being a blank slate, a newborn baby is a sentient being, aware of its surroundings and able to communicate with the outside world.

To talk about the mysteries of the developing brain, revealing the remarkable and fascinating process of what it takes to become human, it will be Professor Topun Austin, Consultant Neonatologist at Cambridge University and NIHR Brain MIC Lead the Paediatrics and Neurodevelopment theme, during an evening lecture in a pub in London on next 25th June.



In the newborn brain, the circuits for language processing, abstract thought and empathy in the newborn brain are already wiring up. So how does this single cell create one of the most complex structures we know of in the universe? And what happens when it fails to develop properly, or the baby is born too soon? Are our thoughts and behaviours already pre-programmed in the womb?

These are only a few of the questions Professor Topun Austin will answer at the lecture organised by Funzing Talks which is open to public.

Date: 25th June 2018

Venue: TT Liquor, Shoreditch, 17B Kingsland Rd, London E2 8AA

Doors: 7pm / **Talk starts:** 7.30pm

Adult price: £12

More info at <https://uk.funzing.com/funz/funzing-talks-how-the-unborn-brain-develops-16951>



Professor Topun Austin is a Consultant Neonatologist at Cambridge, Honorary Professor of Neurophotonics at University College London and NIHR Brain Injury MedTech Co-operative Theme Lead for Paediatrics and Neurodevelopment.

Topun has a longstanding interest in newborn behaviour and how that relates to functional brain activity. He is the Director of the Evelyn Perinatal Imaging Centre (EPIC), based at the Rosie Hospital, Cambridge. His main research interests are in brain development and injury in the newborn, using novel monitoring and imaging technologies and their translation into routine clinical care.

He is the co-director of neoLAB, a collaborative group between the EPIC and Biomedical Optics Laboratory at UCL. The group have been involved in the development of new optical imaging systems to image the developing brain.

Funzing Talks are here to re-invent your evenings, creating an exciting alternative to having a drink in your local pub or bar. Funzing Talks pull together an impressive array of leading entrepreneurs, intellectuals, bright thinkers and incredible individuals to inspire your evenings and expand your mind.

Held in a carefully selected range of intimate spaces, Funzing Talks is the ultimate boredom-buster.

Find out more at <https://uk.funzing.com/lectures>

Do you know that it is the Mental Awareness Week?

Find out more about this initiative and join the events near you.



From 14th to 20th May the Mental Health Foundation is hosting the Mental Awareness Week which is focused this year on stress.

Research has shown that two thirds of us experience a mental health problem in our lifetimes, and stress is a key factor in this. By tackling stress, we can go a long way to tackle mental health problems such as anxiety and depression, and, in some instances, self-harm and suicide.

For more information visit the website <https://www.mentalhealth.org.uk/>, you will find out how to:

- download for free the research on the stress in the UK
- get advice on how to manage and reduce stress and download a guide
- order a green ribbon pin badge and join the growing movement for good mental health
- test your stress and take mindfulness courses
- being informed about where getting help
- find and join the events near you

What are you waiting for? Join the Mental Health Awareness movement and break the cycle of stress!

The new General Data Protection Regulation (GDPR)

New rules relating to how we collect and process personal data will come into effect in the UK

The GDPR is Europe's new framework for data protection laws is replacing the previous 1995 data protection directive, which current UK law is based upon, and it will come into force on 25th May 2018. GDPR changes how personal data can be used. Its provisions in the UK will be covered by a new Data Protection Bill, which has now been published by the government. The proposed Data Protection Bill wants to make it simpler to withdraw consent for the use of personal data, while allowing parents and guardians to give consent for their child's data to be used. Organisations will need to gain explicit consent before sensitive personal data is processed, and the definition of personal data will be expanded to include IP addresses, internet cookies, and DNA.



What is changing

In the full text of GDPR there are 99 articles setting out the rights of individuals and obligations placed on organisations covered by the regulation. These include allowing people to have easier access to the data companies hold about them, a new fines regime and a clear responsibility for organisations to obtain the consent of people they collect information about.

What is changing on RHITE - Register for Healthcare Involvement and Technology Evaluation

We are updating our consent form according to the new GDPR and we will ensure you will be kept well informed on this. As you may already know, being registered to RHITE does not committ you to anything and we will keep on periodically send you our newsletter and details of any opportunities there may be to take part in Brain Injury MIC activities.

If you want to know more about GDPR in the UK, visit the page <https://www.gov.uk/government/news/will-you-be-ready-for-gdpr-before-25-may>