Dear e/MTICs members,

e/MTIC keeps on building on our innovation ecosystem in which the close collaboration between clinical centers, nearby knowledge institutes, and local industry already strongly prove to increase the speed of commercialization and clinical implementation of high-tech health innovations.

As you know the aim of e/MTIC is: Fast Track to clinical Innovation by linking all disciplines in the full value chain from research to patient and building a collaborative and communicative community. In this newsletter you will find a number of examples of researcher where this actually took place, like the TraceBook project and the next generation of neonatal manikins.

Via this newsletter we will also invite you to join the Kempenhaeghe event on Connections

I trust you will enjoy reading our newsletter and contribute to next issues, building a community of e/MTICs.

Carmen van Vilsteren
e/MTIC

PhD: ReVive - next generation of neonatal CPR manikins

PhD project by Mark Thielen: Replicating the neonate based on actual MRI imaging of a term neonate, it is possible to replicate the entire body with all essential functional CPR organs. For designing this next generation of neonatal cardiopulmonary resuscitation (CPR) manikins, Mark found great benefit in the e/MTIC collective by having direct access to the expertise fields required for his research Read more
Project: FORSEE - Smart camera warns of acute heart problem

By Prof. Dr. Jan Bergmans - TU/e with Catharina Hospital and Philips: by creating cameras which not only measure visible light but also infrared and therefore heat. This innovative camera records your heart rate and breathing, how you move, how warm you are and even how you look. The research team expects that this type of data will reliably predict whether health will suddenly deteriorate. Read more

PhD: Modeling sleep onset misperception in insomnia

PhD project by Lieke Hermans: within the e/MTIC framework, a data collection protocol could be set-up in which Philips, Kempenhaeghe and TU/e worked together to measure sleep at home in people with insomnia. Additionally, the e/MTIC ecosystem allowed Lieke to work together with people with different expertise, to identify objectively measurable sleep characteristics that may influence sleep quality in people with insomnia. Read more

PhD: TraceBook - innovative clinical decision support system (CDSS)

PhD project by Ashley De Bie Dekker: TraceBook is a new innovative clinical decision support system (CDSS) that aims to prevent medical errors by presenting the entire care process of a patient more clear, while improving guidelines compliance by healthcare workers. This project could only be realized thanks to the collaboration of engineers, user-interface experts, and clinicians within e/MTIC. Read more

Symposium: Update@kempenhaeghe - Theme ‘Connections’

The 22nd edition of the Kempenhaeghe international scientific symposium Update@kempenhaeghe will take place on Friday, March 20, 2020. This year’s theme is ‘Connections’. High quality of presentations and content covering best clinical practice, results of the latest scientific research and illustrative cases. Read more
At TU/e, ‘scalpels’ (doctors) and ‘screwdrivers’ (technicians) have been working together for years. According to Lukas Dekker - cardiologist at the Catharina Hospital Eindhoven, this works so well because they speak each other’s language and face similar challenges. The biggest obstacle is dealing with the gigantic amount of data and its use in practice. Read more

PhD project by Marina Nano: difficulties initiating and/or maintaining sleep are becoming more prevalent and one third of the population worldwide is affected occasionally by insomnia symptoms. The PhD project of Marina is about developing wearable solutions to understand more about the mechanisms of insomnia. The e/MTIC ecosystem provided her with the opportunity to meet specialists who have long experience working with sleep and enables me to perform my research in real conditions. Read more

On 7th February, the first ‘Poster Party” took place for the cardiovascular research projects within e/MTIC. Whilst enjoying a snack and a drink, new and promising collaborations emerged, simply because knowledge and skills were shared through posters. An expert jury selected the three best posters. We congratulate: Marloes Sjoerdsma, Luuk van Knippenberg and Esther Maas with their 1st, 2nd and 3rd place, respectively.

With eight years of experience in supporting ecosystems within European innovation arena and funding landscape, Chantal Schoen started on the 3rd February at the TU/e to provide communication assistance for the Eindhoven MedTech Innovation Center (e/MTIC).

Contact E-mail: c.schoen@tue.nl
The goal of the Eindhoven MedTech Innovation Center (e/MTIC) is to create and expand an ecosystem that strongly increases the speed of high-tech health innovation, maximizing value for patients.

To keep everybody updated with the developments happening within e/MTIC, please feel free to send you news to Chantal Schoen per E-mail: c.schoen@tue.nl