



## **EPSRC-NIHR HTC Partnership Award: Medical Devices and Vulnerable Skin Network - Optimising Safety in Design**

**First Sandpit Meeting  
26<sup>th</sup> November 2014**

[Chilworth Manor Hotel](#), University of Southampton Science Park, Southampton, SO16 7PT

### ***Introduction:***

The Medical Devices and Vulnerable Skin Network launched in May 2014, represents a partnership led by the University of Southampton (Bader and Worsley) and Kings College London (Grocott), with support from the NIHR Healthcare Technology Co-operatives (HTCs) associated with Devices for Dignity (D4D) and Wound Prevention & Treatment and named academic and industrial collaborators. Its strategic aims are to introduce cutting-edge technologies and scientific understanding in order to reduce the incidence of mechanical-induced damage of vulnerable skin caused by interventional medical devices in various clinical settings.

The First Sandpit meeting will be designed to promote exchange of ideas and techniques between academics, industrialists, clinicians, and key government agencies to foster collaborations with focus on a series of clinical exemplars. Knowledge transfer will be a key outcome throughout the Network, achieved through the established partnership and the proposed expansion of the Network.

Successful implementation will ensure that the Network will deliver economical and societal impact through improvements in medical device design. We will aim to accelerate the development of new/improved products to end-users (via the Cooksey model) by providing an accessible framework of clinical research within the established and potentially new partners.

***Specific aims of the First Sandpit meeting are to provide:***

- A summary of the key aims and objectives of the Network and a selection of case studies illustrating how the Network is already supporting research and innovation
- An indication of the interaction between the NIHR HTCs and the Network
- An industrial perspective on the state-of-the-art in medical device design and the impact on the end user
- A convivial atmosphere and ambience with sufficient time for informal discussions, and to encourage follow-up contacts and future specific theme meetings sponsored by the Network.

***In addition, current partners in the Network will lead discussions in the following topics:***

- Computational Modelling to predict Device Performance ([Georges Limbert](#) – University of Southampton)
- Physiological Sensing of Skin Tissues ([Steve Morgan](#) – University of Nottingham)
- Improving Wound Management Through Measurement ([Graham Machin](#) – National Physical Laboratory)
- Medical Device Design ([Javier Munguia](#) – University of Newcastle)

This one day event will be of interest to all medical device manufacturers, technologists, clinicians and academics with an interest in the latest research and developments in medical devices and their impact on vulnerable skin.

There are no registration fees for this event.

***For further information and registration (limited to 50 delegates), please contact the event organising committee:***

- Network Administrator - Fiona Brewer ([F.Brewer@soton.ac.uk](mailto:F.Brewer@soton.ac.uk)),
- or Sandpit organisers Professor [Dan Bader](#), ([D.L.Bader@soton.ac.uk](mailto:D.L.Bader@soton.ac.uk)) and Dr [Peter Worsley](#) ([P.R.Worsley@soton.ac.uk](mailto:P.R.Worsley@soton.ac.uk))