

Advancing Orthopaedic
Medical Device Manufacturing

EVENTS 2014



RIGHT **PRODUCT**
RIGHT **PROCESS**
RIGHT **PATIENT**
RIGHT **TIME**

THE MEDE INNOVATION NETWORK

MeDe Innovation (The EPSRC Centre for Innovative Manufacturing in Medical Devices) researches and develops advanced design and manufacturing methods for the Class III, musculoskeletal medical device sector.

Dissemination and commercialisation are central to MeDe Innovation, and we value input from those working across the medical device sector in the UK.

The network aims to not only inform, but also to connect, enabling businesses, policy makers, academics and clinicians to share information, knowledge and ideas and debate the challenges and issues facing the community. This involves delivering research specific workshops; leading a clinical network; developing a national database of medical device capability; and the creation of an active digital community.

As part of that mission, MeDe Innovation will be running three Research workshops in 2014, focusing on three key research areas for the Centre. These will provide an opportunity to:

- Hear updates on the latest scientific progress from MeDe Innovation academic and industrial partners
- Gain regulatory, clinical and intellectual property perspectives from experts in the field
- Question expert panels for opinions and insights
- Identify new opportunities and collaborations to exploit the emerging research



BIOLOGICAL & BIOMIMETIC MATERIALS FOR MEDICAL DEVICES & HEALTH TECHNOLOGIES

THURSDAY
18TH SEPTEMBER

HALIFAX HALL,
UNIVERSITY OF SHEFFIELD

Biological and biomimetic materials offer unusual properties that underpin their use as orthopaedic medical devices.

Recent scientific advances have unlocked even greater potential for improved clinical performance including regenerative properties, but at the same time raise challenges for both manufacturers and regulators.

This workshop will explore both recent scientific progress and the regulatory environment, ultimately contributing to a strategy to further exploit the opportunities offered by these exciting materials.

Book now: biological-biomimetic.eventbrite.co.uk

NEW STRATEGIES FOR TREATING MSK DISORDERS: IN-CLINIC MANUFACTURE AND MINIMALLY INVASIVE IMPLANTATION OF MATERIALS

THURSDAY
30TH OCTOBER 2014

CENTRE FOR LIFE,
NEWCASTLE

Surgical techniques must deliver the optimal patient experience at the lowest life-cycle cost.

MeDe Innovation is seeking to develop effective therapies which are customised to the patient and disease state, aiming for delivery with minimum disruption - ideally allowing the patient to go home the same day.

This combination of efficiency, personalised treatment and minimised hospital stays for musculoskeletal applications requires new thinking in terms of the deployment of load bearing materials - moving the fabrication of devices closer to the patient.

This research workshop will examine how new approaches to materials processing and manufacture can help us achieve the right product, by the right process, to the right patient at the right time.

Book now: in-clinic-manufacture.eventbrite.co.uk

FUNCTIONALLY STRATIFIED DESIGN AND MANUFACTURE OF ORTHOPAEDIC DEVICES

MONDAY
17TH NOVEMBER

UNIVERSITY HOUSE,
LEEDS

Patient and surgical variations have major effects on the failure rates, patient satisfaction, pain scores and other quality of life outcomes of many musculoskeletal interventions.

Matching the right patient to the right product at the right time remains a challenge in the way devices are designed and manufactured.

Through MeDe Innovation, a new approach is being undertaken to improve testing methods and implement functional stratification into the design and manufacture process.

This workshop will explore recent advances in pre-clinical testing which capture the effects of patient and surgical variability and the development of new products encompassing stratified design and manufacture.

Book now: stratified-design.eventbrite.co.uk

EXAMINE THE CHALLENGES OF INNOVATIVE MANUFACTURING,
EXPLORE PERSPECTIVES FROM ACROSS THE SUPPLY CHAIN,
CREATE NEW RESULTS.

JOIN US

The MeDe Innovation Network exists to provide support to the medical device sector. As a member of the Network, you will benefit from:

- **access to information about manufacturing research**, from our Centre's research outputs, international partnerships, and clinical centres in medical device innovation throughout the UK
- **access to Technology Roadmapping techniques** to help shape and inform future research needs
- **updates on sector news and events**, through e-newsletters, network events and an annual review commercial opportunities arising from our work with the Medical Technologies Innovation and Knowledge Centre
- being part of an **influential contributor** to the UK medical device landscape
- **marketing opportunities** to highlight your organisation's news and events on the MeDe Innovation website

Membership is free and it's easy to join
<http://mede-innovation.ac.uk/join-us/>

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