



Building a Healthy Nation through Business Innovation

## Knowledge Transfer through Partnership Delivering Medical Innovation

The HealthTech and Medicines KTN are proud to announce the second Knowledge Transfer through Partnership Annual Conference. The conference is being held jointly with the University of Bath Research Development and Support Office. The conference will be followed by a KTN networking reception which will be an excellent opportunity to meet with the team and discover more about the KTN.

The conference will showcase the benefits and successes of the collaborative work between companies and academic institutions in the health and medicines sectors.

### Knowledge Transfer through Partnership Annual Conference

Monday 6 September 2010  
10am – 5.30pm

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Walcot Street  
Bath BA1 5BJ  
[www.hilton.co.uk/bathcity](http://www.hilton.co.uk/bathcity)

### KTN Networking Reception

Monday 6 September 2010  
6pm – 8pm

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#### ***The Victoria Art Gallery***

Bridge Street  
Bath BA2 4AT  
[www.victoriagal.org.uk](http://www.victoriagal.org.uk)

### Register at

[www.eventsforce.net/KTP1](http://www.eventsforce.net/KTP1)

Delegate ticket: £70+VAT\*

For further information about this event, please contact: Sarah Forson

e: [sarah.forson@twi.co.uk](mailto:sarah.forson@twi.co.uk)

\*Please note there is no charge to attend the KTN networking event



## Building a Healthy Nation through Business Innovation

The conference will showcase the benefits and successes of the collaborative work between companies and academic institutions in the health and medicines sectors.

### This one day conference will consist of:

- Keynote speaker presentations
- Presentation on topics focusing on
  - technology exploitation
  - delivering innovation
- Workshops
- Presentation from winning paper competition
- Poster presentations
- Networking sessions

## Knowledge Transfer Partnerships

### By attending you will:

- Gain an insight into Knowledge Transfer Partnerships (KTP) a UK-wide programme enabling businesses to improve their competitiveness, productivity and performance.
- Learn how a KTP can benefit your business through forming of a partnership between your business and an academic institution
- Enabling you to access skills and expertise to help your business develop.
- Hear about funding opportunities for the sector

### Who should attend:

- Business organisations keen to learn about recent developments in collaborative working between health and medicines industries and academia
- Anyone involved in health and medicines research/ training
- Knowledge Transfer Partnership Associates and their supervisors working on health and medicine projects



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## Outline Agenda - Chair Alison Evens, Research, Development and Collaborations Team, University of Bath

	<b>Welcome and Introduction by the University of Bath</b>
<b>Professor Mehdi Tavakoli,</b> Technical Director	Conference Opening by The HealthTech and Medicines KTN,
<b>Dr Debbie Buckley-Golder,</b> Head of Knowledge Transfer Partnerships, <b>Technology Strategy Board</b>	This presentation will give an introduction to Knowledge Transfer Partnership, the programme, its achievements and impact to the UK economy, and showcasing KTPs in the healthcare and medicines sector.
<b>Professor Simon Donell,</b> Consultant and Honorary Professor Orthopaedics, <b>Norwich University Hospital</b>	<b>Barriers to Innovations and the Future of Orthopaedics</b> The development of new ideas and transforming them into products is essential for the future well-being of the UK economy. Through the National Institute of Health Research great efforts have been made to reverse this and to overcome the barriers in clinical research. The current barriers are now at hospital level with prolonged times through Research & Development, Legal and Financial Departments. Other barriers concern the lack of communication between basic science researchers and clinicians about clinical needs. This talk will discuss the barriers to innovation in general, and review areas of orthopaedics where revolutionary developments are occurring and the musculoskeletal system that are and can be developed in the near future. The talk will also cover exciting developments in Nanotechnology.
<b>Dr Peter Laitenberger,</b> VP Research & Technology Development, <b>Sphere Medical, Cambridge</b>	<b>Novel sensing technology for point of care diagnostics</b> Diagnostic testing in hospitals is undergoing a revolution in practice, with a shift in the location of where analysis occurs from central laboratory to the patient's bedside, i.e. the Point of Care. Despite significant technological advances, substantial requirements for patient monitoring remain. Recent advances in micro- and nanotechnology promise to provide solutions to several of these issues and radically improve the diagnostic capabilities at the Point of Care. Sphere Medical was founded to exploit commercially a micro-machined silicon sensing technology with applications in the field of blood gas analysis, clinical and molecular diagnostics.  This talk will aim to provide an overview of current approaches to point-of-care testing and analyse some of the challenges posed and solutions available.



**Dr Liz Philpots,**  
Head of Research Practice,  
**Association of Medical  
Research Charities**

**From donation to innovation -  
how charities support medical research**

The Association of Medical Research Charities (AMRC) is a membership organisation of the leading medical and health research charities in the UK. AMRC has 120 member charities that contribute over £1.1 billion of research expenditure in 2009-10, to support research aimed at tackling diseases such as heart disease, cancer and diabetes, as well as rarer conditions like cystic fibrosis and motor neurone disease. In medical research, charities have been encouraged to think about how the research they fund will have an impact on the public, or the patient group they are interested in.

This session will explore examples of how charities support medical research, why charities might want to fund research in partnership, and how researchers can find out more.

**Angus Donald,**  
Service Innovation Manager,  
**NHS Innovations South West**

NHS Innovations South West is one of nine regional Innovations hub set up from 2004 to champion the cause of healthcare innovation and to identify, develop and commercialise innovations and intellectual property created by NHS staff. NHS Innovations South West serves the South West to develop and take forward new innovative ideas - both products and services - to enhance healthcare delivery.

NHS Innovations: Building fruitful commercial partnerships

This presentation will cover:

- The role of the Innovation Hub
- Harnessing & exploiting intellectual capital
- Practical insights into brokering & support
- Success stories & case studies



	<b>Papers Presentations:</b>
<p><b>Dr Ben Rosser,</b> Research Officer <b>School for Health University of Bath</b></p>	<p><b>An Interdisciplinary Approach to New Cellular Therapies - The University of Bath Centre for Regenerative Medicine SMART2 - Telehealth facilitating self-management of chronic pain</b></p> <p>An overview of the multidisciplinary SMART2 project developing a technology-based self-management intervention to assist individuals with long-term health conditions, including chronic pain. The talk focuses on the chronic pain component of the project, providing a description of the intervention, the process of its development, and the next stage of research.</p>
<p><b>Liam North,</b> KTP Associate, <b>Swanswell/University of Reading</b></p>	<p><b>Technology to encourage and support positive behaviour change in drug and alcohol misuse</b></p> <p>This presentation will cover:</p> <ul style="list-style-type: none"> <li>• New technology offers a potentially powerful medium to engage people with substance misuse problems or other negative behaviour patterns, both by extending flexible support and engaging more people into treatment.</li> <li>• This project aims to explore the application of various technologies in an innovative way to support those with negative or damaging behaviours to change.</li> </ul>
<p><b>Nicola Isaacs,</b> KTP Associate, <b>Clitheroe Hospital</b></p>	<p><b>Innovation with Impact</b></p> <p>This presentation will cover:</p> <ul style="list-style-type: none"> <li>• Active and ongoing engagement with all stakeholders from service user to service commissioner</li> <li>• Facilitating innovative change and development to enhance service provision and delivery</li> </ul>
<p><b>Vic Lane,</b> Professor of Health Informatics, <b>London South Bank University</b></p>	<p><b>Knowledge Management: the foundation of decision-making for business innovation in public health medicine</b></p> <p>This presentation will cover:</p> <ul style="list-style-type: none"> <li>• The challenge is to locate &amp; use knowledge - local, national and global - for strategic decisions in evidence-based commissioning of healthcare!</li> <li>• The protocol tracks down a comprehensive range of information - it must allow freedom to the creative thinker, and not be a straight-jacket!</li> </ul>
<p><b>Professor Mehdi Tavakoli,</b> Technical Director, <b>HealthTech and Medicines KTN</b></p>	<p>Presentation of awards for the best paper and poster presentation</p>
	<p><b>Closing remarks from the Conference Chair</b></p> <p>KTN Networking Reception - The Victoria Art Gallery, Bath</p>



The HealthTech and Medicines KTN supports business innovation through partnerships, funding and knowledge transfer:

- Connecting partners: Bringing together and facilitating collaborations with a common goal
- Access to funding: Identify and influence new and existing sources of funding
- Knowledge transfer: Opening doors to wider networks of people, organisations



The University of Bath is one of the leading research intensive universities in the UK. With a research portfolio of over £100 million and more than 550 leading researchers, the University of Bath's strengths include: engineering, sciences, management, humanities, social sciences, health and life sciences. The University also has a strong record of collaborating with commercial and public sector organisations.