

# Kidney Care Innovation



On 5th December 2014 the SBRI Kidney Care Competition winners will gather in Sheffield to celebrate the successful completion of phase one funding. This free exhibition event will provide an opportunity to discuss the preliminary outcomes of the projects in this kidney care innovation programme:

- Development of an innovative sensor that can detect early AKI by sensing volatile molecules in the urine, at the bedside (University of Cambridge and Sensor Hut Ltd)
- Development of a sensitive test for urinary K-Cadherin, a marker of kidney disease progression in patients with diabetes (Helier Scientific Ltd)
- Automated information technology system to calculate risk and alert clinical teams (Patientrack Limited and Western Sussex Hospitals NHS Trust)
- Ensuring faster treatment of Acute Kidney Injury using secure messaging to deliver alerts to clinicians in real time and then enabling instant, mobile cross team referrals and conversation (DocCom Careflow)
- Delivering patient results in real time and modules to allow patients to flag up mistakes and changes in their medical records (UK Renal Data Collaboration)
- A telemedicine platform to reduce patient hospital attendance (East and North Hertfordshire NHS Trust)
- A device for monitoring renal function at home using interstitial fluid allowing out of hospital monitoring of kidney function (IF Sensing Ltd)
- An online support programme using coping exercises to improve self-management in order to delay disease progression and aid shared decision-making around dialysis in order to reduce distress and decisional conflict (Atlantis Healthcare)
- A test for Aminoacylase-1, a biosensor for early transplant function (Randox Laboratories Ltd)
- An immunoabsorption system for patients due to have blood group incompatible transplants and can be used simultaneously with haemodialysis, reducing treatment time and time spent in hospital (University of Leeds)
- Infection sensors that can be incorporated into existing peritoneal dialysis products (Microsensor Limited)
- Modelling the "dialysis day" with the aim of minimising delays in haemodialysis patient treatment (Frazer-Nash Consultancy Ltd)
- A booking app for transport, one key factor for delays in haemodialysis treatment (365 Response Ltd)

If you are a healthcare professional working in renal care, a charity or a business organisation interested in renal technologies, join our innovation teams to hear about these projects and the potential for new products and services to be developed. A buffet lunch will be provided for all the guests who attend. There are limited places available so please email ([kirsty.kassim@sth.nhs.uk](mailto:kirsty.kassim@sth.nhs.uk)) or call us (0114 221 2159) to confirm your attendance.

Date: 5<sup>th</sup> December 2014

Location: Rutland Hotel, 452 Glossop Rd,  
Sheffield S10 2PY

Duration: 12:00h – 15:00h

More information:

[www.devicesfordignity.org.uk](http://www.devicesfordignity.org.uk)

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5<sup>th</sup> December 2014

12:00h – 15:00h

Rutland Hotel, 452 Glossop Rd, Sheffield S10 2PY

## Programme

### Exhibition open 12:00h – 15:00h

All teams will exhibit in the main exhibition room and guests are invited to stay for lunch, meet the teams and find out about the outcomes from Phase 1.

### Welcome and opening address 12.30-12.45

- Prof Wendy Tindale, Scientific Director at Sheffield Teaching Hospitals and Clinical Director at NIHR Devices for Dignity HTC
- Clinical Context  
Dr Sandip Mitra, Consultant Nephrologist and Renal Theme Lead at Devices for Dignity, NIHR Healthcare Technology Co-operative

### Booking

There are limited places available so please email ([kirsty.kassim@sth.nhs.uk](mailto:kirsty.kassim@sth.nhs.uk)) or call us (0114 221 2159) to confirm your attendance.