

**SHEFFIELD TEACHING HOSPITALS NHS FOUNDATION TRUST  
EXECUTIVE SUMMARY REPORT  
BOARD OF DIRECTORS – WEDNESDAY 21<sup>ST</sup> DECEMBER 2016**

<b>Subject:</b>	Update from Sheffield University and Sheffield Hallam University
<b>Supporting Director:</b>	Professor Pam Shaw
<b>Author:</b>	Professor Pam Shaw and Professor Karen Bryan

**PURPOSE OF THE REPORT:**

To provide the Board of Directors with an update on activities within the Sheffield University and Sheffield Hallam University

**KEY POINTS:**

The update covers the following topics:

- Sheffield University
  - Major Awards
  - New Appointments
  - Sheffield Clinical Research Academy
  - Staff Release Scheme
  - Recruitment Pause
  - New Developments in Nursing and Allied Healthcare Professions
  - Increased Medical School Numbers
  - Major Research Publications
  - PET-MRI progress
  
- Sheffield Hallam University
  - Health Professional Education
    - Nursing and Midwifery
    - Allied Health Professions
    - Institute for Health and Wellbeing Research

**RECOMMENDATION(S):**

The Board of Directors is asked to note the content of the update.

**IMPLICATIONS<sup>2</sup>**

<b>AIM OF THE STHFT CORPORATE STRATEGY 2012-2017</b>		<b>TICK AS APPROPRIATE</b>
1	Deliver the Best Clinical Outcomes	
2	Provide Patient Centred Services	
3	Employ Caring and Cared for Staff	
4	Spend Public Money Wisely	
5	Deliver Excellent Research, Education & Innovation	

**APPROVAL PROCESS**

<b>Meeting</b>	<b>Date</b>	<b>Approved Y/N</b>
Board of Directors	21.12.16	

<sup>1</sup> Status: A = Approval  
 A\* = Approval & Requiring Board Approval  
 D = Debate  
 N = Note  
<sup>2</sup> Against the five aims of the STHFT Corporate Strategy 2012-2017

# UNIVERSITY OF SHEFFIELD: UPDATE FOR THE STH BOARD DECEMBER 2016

Professor Pam Shaw

## 1. Major awards

**i) NIHR-Biomedical Research Centre: Translational Neuroscience for Chronic Neurological Disorders.** In partnership with STHNFT, a BRC will be newly established from April 2017 with a seeding award of **£4,049,681** over 5 years to initiate experimental medicine pilot studies and early phase clinical trials in the areas of Neurodegeneration, Neuroinflammation and Cerebrovascular disease. The BRC will be supported by supported by underlying and expanding research infrastructures in Advanced Medical Imaging, Genomic Medicine and Bioinformatics, *In Silico* medicine and the Sheffield NIHR-Clinical Research Facility.

**ii) Renewal of the Sheffield NIHR-Clinical Research Facility.** £3.1 million was awarded to the Sheffield CRF to continue for a further 5 years (2017 – 2022) as 1 of 23 Clinical Research Facilities. The Sheffield CRF has hosted over 30,000 patients participating in clinical research since it opened in 2006. The renewal bid was led by Prof Chris Newman as the Director of the CRF and the continuation of the CRF will support the early phase research of the newly formed BRC.

**iii) Renewal of the Sheffield Experimental Cancer Medicine Centre.** Professors Ingunn Holen and Sarah Danson have been advised that their bid for renewal of the Sheffield ECMC (2017 – 2022) for approximately **£1m** has been successful.

### **iv) The Centre for Integrated research into Musculoskeletal Ageing (CIMA)**

CIMA is a three-centre collaboration between The University of Sheffield (UoS), The University of Liverpool and Newcastle University funded by an initial grant of £2.5m jointly supported by MRC and Arthritis Research UK in 2012. This year a bid to renew the centre with the MRC and ARUK for a further 5 years was submitted and the interview took place on 28<sup>th</sup> November 2016. The announcement on outcome is expected in March 2017, but the interviewing board are recommending renewal funding of £2m. Professor Eugene McCloskey is the Director of the Sheffield CIMA and heads a work package to develop existing and novel cohorts for studying musculoskeletal ageing and interventions. He is currently developing and establishing a web-based CIMA central resource database to collate available cohorts within CIMA. In 2016 the Sheffield CIMA centre attracted a £451k MRC/NIHR funded Efficacy and Mechanism Evaluation grant entitled 'Randomised controlled trial of selenium in older women with osteopenia'. Dr Jennie Walsh will be the first Sheffield based principal investigator to lead on an EME award. Prof. McCloskey will take over as overall Director of CIMA in 2017.

### **v) Yorkshire Cancer Research– Fellowship programme application**

The programme application led by Prof Robert Coleman has been awarded £4.5million over 5 years to fund 10 new clinical and non-clinical fellowship posts (at an in-take of 3-4 fellows per year) that will support independent researchers at a relatively early stage of their career and create a YCR funded faculty. Each post will be funded for 5 years and supported by infrastructure and start-up funds for the first three years to provide sufficient time and support for successful

external grant awards to be achieved. These appointments will be integrated alongside investment from The University and Sheffield Teaching Hospitals into senior appointments and infrastructure to strengthen their aligned but slightly different cancer research strategies and help build the cancer research capacity in the city for the next decade and beyond.

#### **vi) Wellcome Trust PhD Programme for Clinicians – the 4Ward North Clinical PhD Academy**

A consortium of the Universities of Manchester, Newcastle, Sheffield and Leeds have been awarded £5.1m to fund clinical PhD studentships across the 4 institutions over the recruiting period 2017-2021. Wellcome PhD studentships are arguably the most prestigious personal awards at doctoral level, and this funding will provide our brightest aspiring clinical academics in the North of England with the best possible start to their academic careers.

#### **vii) Connected Health Cities**

This £20m government award to the NHTA to optimise use of major datasets to improve clinical care is progressing well, including a major new project in improving emergency care pathways being led by Professor Suzanne Mason, Professor of Emergency Medicine at SCHARR.

## **2. New Appointments**

A new **Chair of Mental Health at SCHARR, Scott Weich**, a Professor of Psychiatry from the University of Warwick started in October 2016. His main research interest is in the interaction between Universities and the NHS in relation to mental health.

**Professor John Brazier** will become the new **Dean of SCHARR** from April 2017 as an internal appointment from the Health Economics and Decision Science section of SCHARR where he is the Director of the Economic Evaluation Policy Research Unit.

**Professor Luc de Witte** joined the University in October as **Professor of Health Services Research** within the Centre for Assistive Technology and Connected Healthcare (CATCH). His research focuses on the possibilities of technology to support people with disabilities in their daily lives, and professionals in their challenge to offer optimal care and support to patients.

A new **Chair of Primary Care** will join the Academic Unit of Primary Care at the Medical School in January 2017. **Professor Christopher Burton** has been appointed from The University of Aberdeen where he leads research at the Centre of Academic Primary Care. His main academic interest is in persistent, medically unexplained symptoms and involves both qualitative and quantitative research.

## **3. Sheffield Clinical Research Academy enters 2<sup>nd</sup> round**

The Sheffield Clinical Research Academy (CRA) was launched in October 2015 to enable NHS staff from the Sheffield Teaching Hospitals, Children's Hospital or Health and Social Care Trust to apply for release from clinical duties for 1 research day per week over 2 years. Five CRA Fellows were awarded from 11 applications in the 2015 – 2017 round. The CRA is looking forward to a fresh round of applications in 2017 for fellows to be hosted within SCHARR, with an allocated mentor, with the aim to develop research grant submissions that result in successful grants within 12 months from submission. The deadline for the second round of applications is Friday 6th January 2017.

## 4. Staff Release Scheme

The Strategy Delivery Group, with the goal to address budgetary challenges, devised a staff release scheme (now closed) whereby staff, with the endorsement of their heads of departments based on a strong business case could be released with between 4 and 9 months salary dependent on length of service. This is aimed at helping the financial situation of the University

## 5. Recruitment Pause

A pause in recruitment was put in place for an initial 4 months on the 18<sup>th</sup> July 2016 and has now been extended until the 31<sup>st</sup> of January 2017. Exceptions to the recruitment pause can still be applied for in the interim period with the provision of a strong business case for important strategic appointments.

## 6. New Developments in Nursing and Allied Healthcare Professions

New programmes and courses have been introduced to meet the growing need to train nurses to work in primary care from the point of qualification. The University has recently recruited students to a suite of programmes that help fulfil the career framework for primary care nurses published by HEE in October 2015. These include masterclasses for health care assistants and preceptorship programmes for newly qualified nurses wishing to enter primary care roles through a specific, flexible 'general practice nursing ready' scheme to help provide the range of skills a practice nurse requires in addition to their competencies at registration, e.g. travel health, cervical screening, immunisation and vaccination, ear care, health promotion, etc. A part time Advanced Clinical Practice Masters (MMedSci) course also started in September 2016 along with a new Mentorship Preparation course. A 12 week Return to Practice course is due to start in January 2017. These will all contribute to the priorities identified by the LWAB within the STP process.

Additionally, the University is the education partner within two second phase test sites for Nursing Associate roles in Barnsley and Calderdale / Kirklees – due to start in training from 2017. There will be 43 trainees across these two schemes within Y&H plus the phase 1 pilot in Leeds / Bradford to provide a role between health care assistants and graduate level nurses, with flexible career pathways possible using this and potentially apprenticeship routes too. These will help to progress learners into undergraduate / pre-registration nurse training should they wish to do so, with the University of Sheffield Undergraduate course starting in September 2017.

### HEE to HEFCE Transition

Courses at the University in Orthoptics, UG/PG speech and language therapy, UG/PG nursing and diploma level dental hygiene and therapy are due to transition from HEE funded bursaries to student loans from 2017 (or 2018 in the case of PG and Diploma courses). To help HEFCE budget for the support that they will need provide in the future, using the budget envelope passed over from HEE/DH, they have commissioned KPMG to do a detailed costing exercise to compare current actual course delivery costs with the traditional benchmark prices paid for these courses, which had not changed for some years. Until arrangements for HEFCE course funding and HEE placement funding are known, there is still some uncertainty about the viability of all courses, especially as application numbers are likely to be unpredictable while system changes take place. In addition, clinical psychology pre-registration courses have still to be considered in terms of future funding as they are at doctorate level. Despite these many variables and uncertainties, the

University is considering likely scenarios and continues to work closely with NHS colleagues to ensure workforce gaps and risks do not arise in the region.

## 7. Increased Medical School numbers

It is anticipated that the Medical School may be able to increase undergraduate intake numbers of by 15% in line with recommendation from Jeremy Hunt. Achievements in developing electronic assessments of clinical skills by the Academic Unit of Medical Education will assist in managing increased student numbers. The Medical School in November achieved the largest electronically marked Objective Structure Clinical Examination in the UK using iPads connected to a custom built wireless network installed at Don Valley by the Medical School IT team and CICS. The successful system will be used in further training and assessments to monitor clinical practical skills in real time in a resource and time efficient way. This is expected to reduce pressure on staff, while managing increased student numbers.

## 8. Major Research Publications

Clinical academic researchers have had 2 major studies published in the New England Journal of Medicine this year. Firstly, Professor Mike Cork of the Department of Infection, Immunity and Cardiovascular Disease in collaboration with his partners at the Oregon Health and Science University published a phase 3 study into the effects of Dupilumab, a human monoclonal antibody against interleukin-4 receptor alpha, for the treatment of **atopic dermatitis**. Their research involving hundreds of patients showed a very clear benefit Dupilumab in previously inadequately controlled cases. (Simpson et al. N Engl J Med. 2016 Sep 30).

Mr Derek Rosario and Professor Jim Catto from the Department of Metabolism and Oncology co-authored another NEJM paper detailing the largest UK study of major treatment options for **prostate cancer**. The results of the study received widespread press attention in national newspapers, disseminating the finding to the public that monitoring offers the same survival rate over 10 years as the treatment options of surgery and radiotherapy, but that treatment reduces the risk of cancer progression. (Hamdy et al. N Engl J Med. 2016 Oct 13).

## 9. PET-MRI progress

A site has been identified at the old A&E entrance at the Royal Hallamshire Hospital for a new two story building to house a dedicated PET-MRI suite with room for radiochemistry, patient waiting, treatment and recovery areas, and a direct connection passage from the Academic Unit of Radiology on C floor. A further paper about the project will be submitted to CIT in January. Planning permission is being sought through the council by a collaboration from the University and STH-trust estates teams.

GE Healthcare are currently the only manufacturers of a combined scanner and the cyclotron. They are assigning a Project Manager to assist with the development.

Karl Herholz, Professor of Molecular Imaging at The University of Manchester has been assisting in an advisory capacity with the set-up of the PET-MRI system at Sheffield. He will be appointed as a member of staff at the UoS in 2017.

# Report to STHFT Board December 2016

## Sheffield Hallam University

### Health Professional Education:

#### Nursing and Midwifery

We have completed a very successful graduation during November with over 600 nurses and midwives celebrating their success at the city hall. The vast majority of these practitioners are working within the South Yorkshire region.

We are working on joint communication with senior colleagues in practice to coordinate information regarding recruitment of qualifying students to ensure that we encourage those who have clear career plans to make early choices in their first destination posts.

#### Allied Health Professions

We hosted a very successful international conference on advanced practice in Radiography. This was in partnership with the College and Society of Radiography. It explored what advanced practice means to radiography and how it can enhance patient outcomes.

For the second year running one of our radiotherapy students has been nominated as Student of the Year by the College and Society of Radiography. This year it is Sarah Smith who has now enrolled to study for a PhD with SHU.

We are fully recruited for September 2016 and expect to meet numbers for March 2017. We are monitoring the impact of funding changes (loans replacing bursary) on the volume of applications. We have completed our final open day for this calendar year.

#### Institute for Health and Wellbeing Research

Helen Watson has joined Sheffield Hallam from May 2016 for one year on a funded NIHR secondment from Sheffield Teaching Hospital.

We have the following new collaborators and partners working with us on recently funded projects:

- We will be working with local (Sheffield based) care homes on a project funded by the Abbeyfield Society to understand the management of nutritional support in older people with dysphagia in care homes.
- Combined Community and Acute Care Group, Sheffield Teaching Hospitals Trust and the University of Sheffield on the Dunhill Medical Trust funded project.
- Brunel University working with Sheffield Hallam on the NHS England funded project to develop a sustainable, multi-professional model of training future AHPs to deliver Motivational Interviewing to patients and the public.
- The Migrant Maternity Care project funded by the EU brings together Sheffield Hallam, the Athens Midwifery School, the European Midwifery Association and the Swedish Association of Midwives. This project consortium will also be joined by CMT Prooptiki; a consulting firm specialising in health care sector and the management of European health projects.

Professor K Bryan.  
December 2016.