

# What is HSST?



**Owen Driskell, Deputy Training Programme Director, NSHCS**

# Design of the HSST Programme



University

Professional Doctoral degree programme  
equivalent in status and challenge to a PhD



Employer

## **Workplace based training:**

- Practical training and assessment
- Contract of employment

# Design of the HSST Programme



# A Collaborative Approach

The delivery of the programme is a collaborative approach between the NSHCS, the MAHSE consortium and professional body RCPPath.



# Key Components of HSST



Mastery of higher scientific knowledge



Mastery of higher clinical/scientific competence



Personal and professional development



Contribution to innovation or improvement

# Components of the Professional Doctorate

Section A	Section B	Section C
<b>Leadership &amp; Development</b>	<b>Specialist Scientific Clinical Programme</b>	<b>Research, Development and Innovation</b> <b>Module:</b> Research Project <b>Module:</b> Doctoral Research & Innovation in Clinical Science

MAHSE partner universities will accept a pass in the FRCPATH Part 1 examination in a relevant specialty in place of Section B.

Fellowship of The Royal College of Pathologists will accept the research component in Section C in a relevant specialty as the written option for the FRCPATH Part 2.

# Physical, Physiological and Bioinformatics Sciences

- Workplace learning (recorded on OneFile)
- Leadership PgDip (Section A)
- Specialist Modules (Section B)
- Innovation Proposal and Lay Presentation (Section C)
- Doctoral Research Project (Section C) or exemption with prior PhD
- Independent Assessments of Professional Skills (IAPS)



# Life Sciences

- Workplace learning (recorded on OneFile)
- Leadership PgDip (Section A)
- FRCPath Part 1 (Section B)
- Innovation Proposal and Lay Presentation (Section C)
- Doctoral Research Project (Section C) or exemption with PhD (check with college)
- FRCPath Part 2





# Section A

Leadership  
and  
Professional  
Development

Professionalism

Foundations of Leadership

Personal and Professional Development

Leadership and Quality Improvement

Research and Innovation

# Section B

---

## Specialist Scientist Clinical Programme

Life Scientists - Covered by a pass in  
RCPath Part 1 exam

---

Training courses for RCPath preparation  
usually run through professional bodies

---

Physical, Physiological and Bioinformatics  
learning content from MAHSE

---

# Section C

---

## Research and Innovation

All trainees must complete a Lit Review, Innovation Proposal (inc Business Cases) and Lay Presentation

---

Most trainees also do a full research project

---

Need to think this about early in programme, especially if ethics required

---

# Innovation in Clinical Science Project

---

HSST designed to help you develop as a leader and innovator in healthcare science.

---

Need to show evidence of ability to conceive, plan and critically evaluate an idea for innovation.

---

Evidence will make valid contribution to your completion of HSST learning outcomes.



# Workplace Evidence



Regular development and review of a training plan.



E-portfolio demonstrating the appropriate application of specialty knowledge and skills



Annual Review of Progression

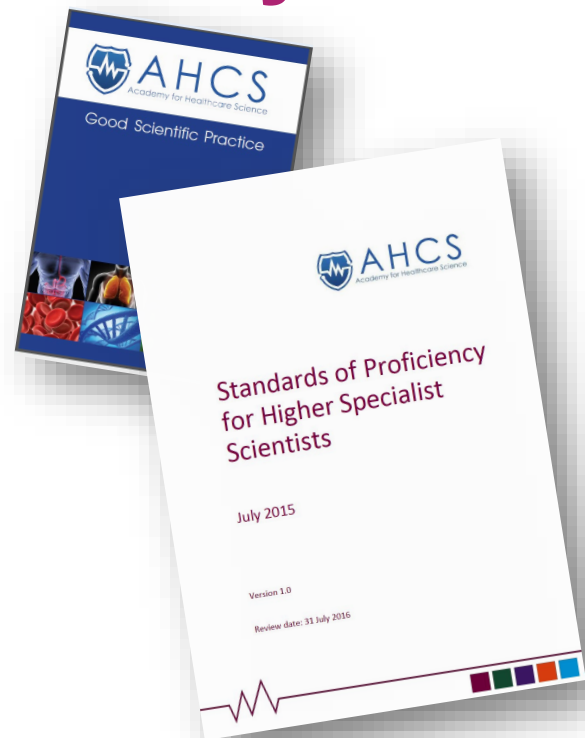


A Final Sign Off by Workplace Supervisor

# AHCS Standards of Proficiency

## Domains:

1. Professional Practice
2. Scientific Practice
3. Clinical Practice
4. Research, Development & Innovation
5. Clinical Leadership



# Final Thoughts

HSST bespoke training at highest level – work based learning and assessment cannot be prescriptive.

No fixed guidance on 'what' or 'how much.'

Trainee is responsible for gathering and recording evidence of their progress towards readiness to practice at level of CCS

Be innovative and creative in development of learning plans and gathering evidence of competency

Be efficient - don't duplicate efforts (make use of naturally occurring evidence and evidence for DClinSci or RCPATH).

HSST is not pass or fail – evidence is either convincing or not yet convincing