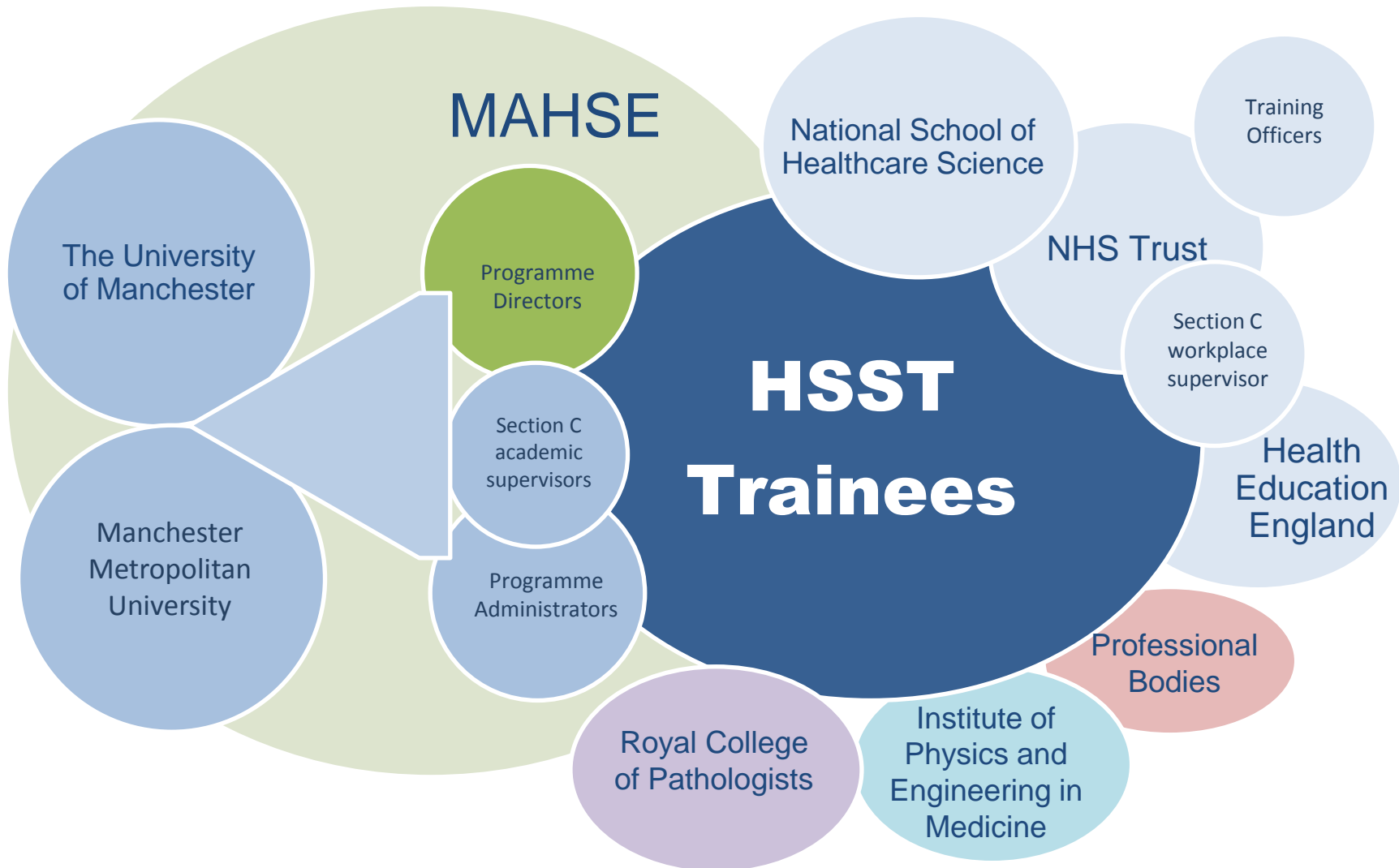


# An Introduction to the DClSci

Professor Anne White PhD, FRSB  
MAHSE Deputy Director for HSST

# Who is here to support you?



# DClinSci Partner Universities and Specialisms

**MANCHESTER**  
1824

The University of Manchester  
Analytical Toxicology  
Audiological Sciences  
Clinical Biochemistry  
Clinical Biomedical  
Engineering  
Clinical Immunology  
Gastrointestinal & Urological  
Sciences  
Genetics  
Genomics  
Histocompatibility &  
Immunogenetics  
Medical Physics  
Microbiology  
Molecular Pathology of  
Infection  
Virology



**Manchester  
Metropolitan  
University**

Cardiac Science  
Haematology  
Molecular Pathology of  
Acquired Disease  
Neurophysiology  
Reproductive Science  
Respiratory & Sleep Physiology  
Vascular Science

**{ National School of  
Healthcare Science**



**Aston University**

Ophthalmic and  
Vision Sciences

# What is MAHSE?

- Partnership between HEIs, NHS, workforce and professional bodies
- Encourages innovation and sharing of good practice
- Supports and develops PTP/STP/HSST programmes delivered in the North West
- Created in January 2012 as a response to the Department of Health's Modernising Scientific Careers initiative



# MAHSE website

<http://mahse.co.uk/our-programmes/doctoral-level-hsst/>



[Home](#) [Our Programmes](#) [For Supervisors](#) [For the Public](#) [Projects](#) [News and Events](#) [Contact Us](#) [About Us](#)

## Doctoral Level (HSST)

### What does the HSST programme involve?

The Higher Specialist Scientist Training Programme (HSST) is a five-year workplace-based training programme supported by an underpinning doctoral-level academic programme and, where appropriate, Royal College qualifications. Further information about the Royal College qualifications [exam regulations, guidelines and policies](#) is available via the Royal College of Pathologists website. The Royal College can be emailed via [info@rcpath.org](mailto:info@rcpath.org)

### Applying to the HSST programme

Applicants to the HSST programme need to be registered as a clinical scientist with the [Health and Care Professions Council](#). Recruitment to the HSST programme is conducted by the National School of Healthcare Sciences. Details of the [application process and frequently asked questions](#) are available via the National School of Healthcare Science website.

### Work Based Training Component

The work based training component of HSST is overseen by the National School of Healthcare Sciences. The [National School of Healthcare Sciences HSST handbook](#) gives a background to the HSST programme and the doctoral award. For enquiries about the work based training component of HSST please [contact the National School](#).

### Academic Component

The academic component of HSST is known as the Doctor of Clinical Science (DClinSci). Further information about the DClinSci will be available in the MAHSE Information Pack which is currently being developed and will be posted on this website. If you have any enquiries about the DClinSci, please contact Shazia on 0161 306 2621 or email [admin@mahse.co.uk](mailto:admin@mahse.co.uk)

Details of the programme structures are available below:

[DClinSci Life Sciences Programme Structure](#). Life Scientists may also want to refer to details of [how the FRCPath and DClinSci programmes integrate](#).

# Contacting MAHSE and your Programme Team

<b>When to contact MAHSE</b> Email: <a href="mailto:admin@mahse.co.uk">admin@mahse.co.uk</a> Telephone: 0161 306 2621	<b>When to contact your programme team</b> (contact details of your programme team are on the MAHSE website)
Assistance with finding accommodation	Registration queries
MAHSE Event Registration (e.g. MAHSE Section C workshops)	Timetable queries
Provide feedback for HSST Organisational Strategy Team (HOST) meetings	Assessment deadlines and exam dates
Reporting issues or difficulties affecting several sections or all of the academic programme (e.g. maternity leave)	Reporting issues or difficulties related to your programme of study

# Academic Component

- A Professional Doctorate comprising;
  - Section A: Leadership and Management Training
  - Section B: Specialist Scientific Knowledge
  - Section C: Research and Innovation
- Awards:
  - Postgraduate Diploma
  - Doctor of Clinical Science (D.Clin.Sci.)

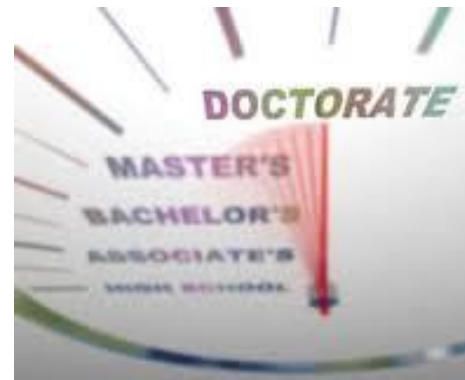


# Doctorate in Clinical Sciences (DClinSci)

*A Professional Doctorate is:*

Research Degree meeting Quality Assurance Agency (QAA) **Level 8** criteria

and the Qualifications Framework for the European Higher Education Area (QF-EHEA) for Doctoral Degrees





# The Structure of the DClinSci

## **Section A – Leadership & Management (approx 20%)**

Taught in Manchester for all trainees at  
Alliance Manchester Business School



## **Section B – Specialist Scientific Component (approx 30%)**

Delivered at University depending on specialism  
For Life Sciences Trainees: this section FRCPATH part 1  
(By special agreement with the Royal College of Pathologists)



## **Section C – Research & Innovation (approx 50%)**

Overseen by University and carried out in workplace setting  
with input from academic and NHS workplace supervisors  
For Life Sciences Trainees this section can fulfil the research component of FRCPATH part 2  
(By special agreement with the Royal College of Pathologists)

# How does a Professional Doctorate differ from other research degrees?

- Emphasis on acquiring skills relevant to professional practice, *in addition to producing original research*
- Professional knowledge developed over time in a theoretical academic framework
- Research project relevant to your profession

*Professional Doctorates aim to develop an individual's professional practice and to produce a contribution to (professional) knowledge*



# Section A – Leadership and Management

## Alliance Manchester Business School (AMBS)

### All specialisms

5 modules, 120 credits, Postgraduate Diploma

- A1 – Professionalism and Professional Development in the Healthcare Environment
- A2 – Theoretical Foundations of Leadership
- A3 – Personal and Professional Development to Enhance Performance
- A4 - Leadership and Quality Improvement in the Clinical and Scientific Environment
- A5 – Research and Innovation in Health and Social Care

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# Section B – Specialist Scientific Component

Undertaken in individual Universities

DClSci: Physiological Sciences Programme Structure (MMU)

Year 1	Module A1: Professionalism and Professional Development in the Healthcare Environment (30 credits)		Module A2: Theoretical Foundations of Leadership (20 credits)		Module B1: Advanced History Taking (15 Credits)		Specialist Units (20) VS = B2 (10) and B4 (10) CS and RSI = B2 (20)	
							Specialist Units (30) NP = B2 (15) and B4 (15)	
Year 2	Module A3: Personal and Professional Development to Enhance Performance (30 credits)		Module A4: Leadership and Quality Improvement in the Clinical and Scientific Environment (20 credits)		Module A5: Research and Innovation in Health and Social Care (20 credits)		Module B3: Therapeutics (10 credits)	
							Specialist Units (15) RSI = B4 (15) CS, NP and VS = B6 (15)	
							Module B5: Contemporary Issues in Healthcare Science (20 credits) [Physiological Sciences and Physical Sciences]	
Year 3	Specialist Units (15) CS = B8 (15) RSI = B6 (15) NP = B8 (15)		Module B7: Teaching Learning and Assessment (20 credits)		Section C: Research, Development and Innovation (270 credits over Years 3-5)			
	Specialist Units (20) VS = B8 (20)							
Year 4	Specialist Units (25) NP = B9 (25)				Section C: Research, Development and Innovation (270 credits over Years 3-5)			
	Specialist Units (30) VS = B9 (30)							
	Specialist Units (35) CS = B9 (15) and B10 (20); RSI = B8 (15) and B9 (20)							
Year 5	Section C: Research, Development and Innovation (270 credits over Years 3-5)							

DClSci: Physical Sciences Programme Structure

Year 1	Module A1: Professionalism and Professional Development in the Healthcare Environment (30 credits)		Module A2: Theoretical Foundations of Leadership (20 credits)	Specialist Units (30 credits) MP = B1 (10), B2 (10), B3a OR B3b (10) CBE = B1 (10), B2 (10) and B3 (10)			
Year 2	Module A3: Personal and Professional Development to Enhance Performance (30 credits)		Module A4: Leadership and Quality Improvement in the Clinical and Scientific Environment (20 credits)	Module A5: Research and Innovation in Health and Social Care (20 credits)	Module B5: Contemporary Issues in Healthcare Science (20 credits) [Physiological Sciences and Physical Sciences]	<div>Specialist Units (30) MP = B4 (10), B6 (10), B8 (10)</div> <div>Specialist Units (40) CBE = B4 (20) and B6 (20)</div>	
Year 3	<div>Specialist Units MP = B9 (20)</div> <div>CBE = B8 (10)</div>	Module B7: Teaching Learning and Assessment (20 credits)	Section C: Research, Development and Innovation (270 credits over Years 3-5)				
Year 4	Specialist Units (30 credits) MP = B10 (30) CBE = B9 (10) and B10 (20)		Section C: Research, Development and Innovation (270 credits over Years 3-5)				
Year 5	Section C: Research, Development and Innovation (270 credits over Years 3-5)						

Each specialism has a programme plan which is available on the MAHSE website.

This afternoon, you will have a programme specific sessions to provide you with further information on Section B.

# Section C - Research Component

A professional doctorate must include at least 50% research.

Depending on the HSST pathway you're taking, you will either:

**1. Undertake a Research Project** (if you are completing the full DCLinSci).

**OR**

**2. Submit an extended innovation proposal and give a lay talk** (if you are not completing the full DCLinSci due to completing FRCPath Part 2 or obtaining approval for a prior PhD).

This afternoon, you will have a session to provide you with further information on Section C.

# Pathways through the DClSci – Clinical Bioinformatics, Physical Sciences and Physiological Sciences

## Pathway 1: HSST with DClSci

- DClSci Section A
- DClSci Section B
- DClSci Section C – **Research Project**
- Workplace learning to HSSR standards of proficiency

## Pathway Two: HSST with PGDip

- DClSci Section A
- DClSci Section B
- DClSci Section C – **Innovation Proposal**
- Workplace learning to HSSR standards of proficiency
- **Approved prior PhD**

You will need to select your pathway today by completing the form given to you at registration this morning. If you're unsure which pathway to take, please visit the university information stands at lunch.

# Pathways through the DClSci – Life Sciences

## Pathway 1) HSST with DClSci (extended Section A) and FRCPATH

- DClSci: Section A (completed over Years 1 -4)
- FRCPATH Part 1 (to complete during HSST)
- DClSci Section C – Research Project
- FRCPATH Part 2 (part met by DClSci Research Project for some specialisms)
- Workplace learning to HSSR standards of proficiency

## Pathway 2) HSST with DClSci (compressed Section A) and FRCPATH

- DClSci: Section A (completed over Years 1 -2)
- FRCPATH Part 1 (passed before starting HSST)
- DClSci Section C – Research Project
- FRCPATH Part 2 (part met by DClSci Research Project for some specialisms)
- Workplace learning to HSSR standards of proficiency

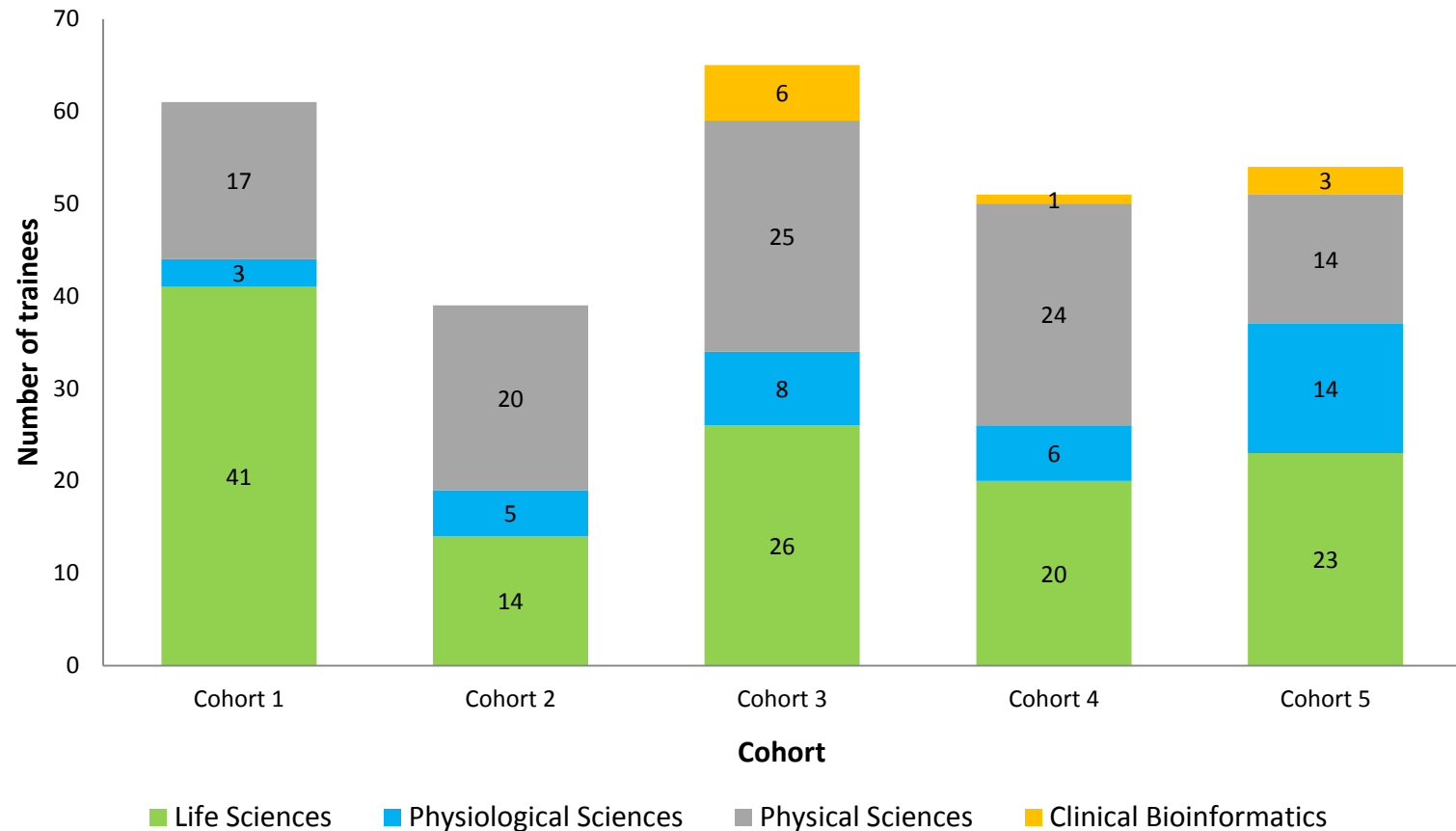
## Pathway 3) HSST with PGDip (extended Section A) and FRCPATH

- DClSci: Section A (completed over Years 1 -4)
- FRCPATH Part 1 (to complete during HSST)
- DClSci Section C – Innovation Proposal
- FRCPATH Part 2
- Workplace learning to HSSR standards of proficiency

## Pathway 4) HSST with PGDip (compressed Section A) and FRCPATH

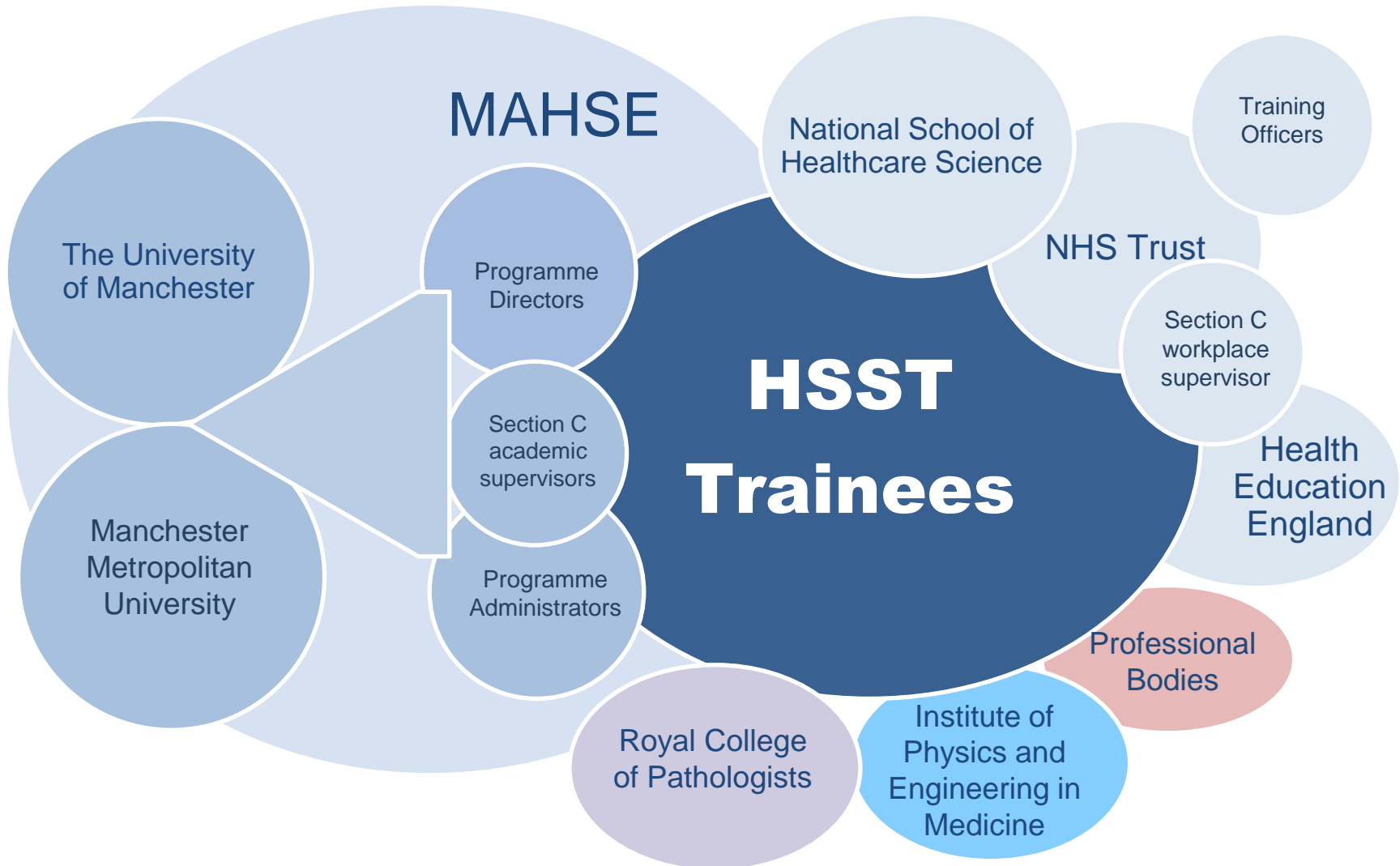
- DClSci: Section A (completed over Years 1 -2)
- FRCPATH Part 1 (passed before starting HSST)
- DClSci Section C – Innovation Proposal
- FRCPATH Part 2
- Workplace learning to HSSR standards of proficiency

# HSST Trainees by Cohort and Theme





# Who is here to support you?



# Administrative Support



Kate Smith



Shazia Dar



Akvile Birgelyte



Charles McCoy



Jessica Bowler



Jenny Cockitt



Libby Osborn



Jessica Poggiaspalla



Emma Stansfield



Peter Sarsfield

# Programme Directors



Anne White



Garry McDowell



Nathan Proudlove



Andy Brass



Kai Uus



Karen Kirkby



Julia Handley



Rebecca  
Dearman



Martin Stout

Llwyd Orton