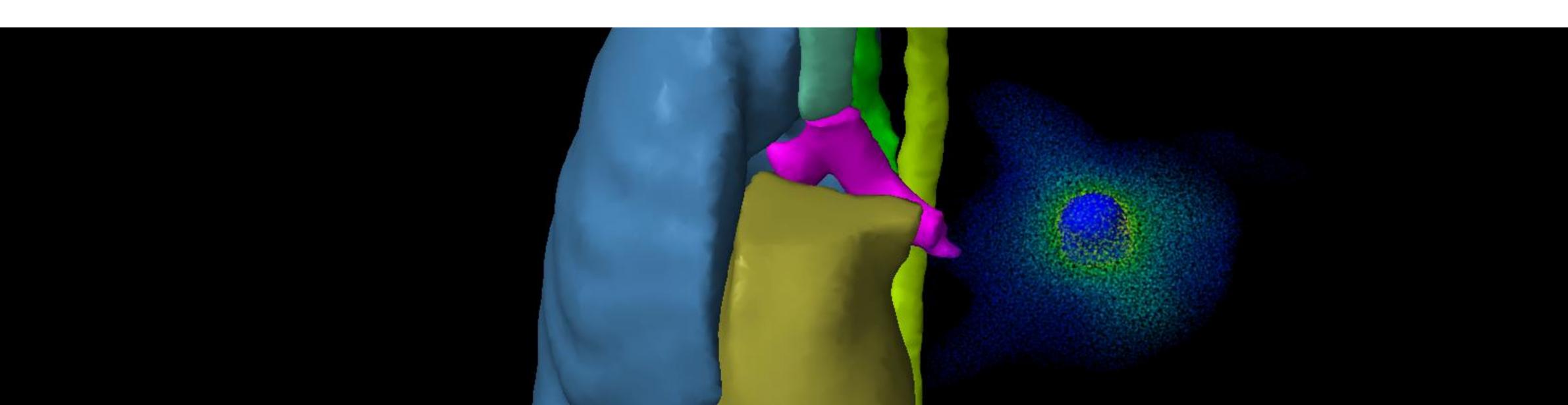
The HSSE Pathway ...one applicant's experience



Rob Biggar MSc CSci MIPEM MInstP

Fellow of the Academy for Healthcare Science

Lead Physicist | Treatment Planning | Medical Physics Expert (MPE) r.biggar@nhs.net



NHS Foundation Trust

Format of this talk...

Presentation – 30 mins

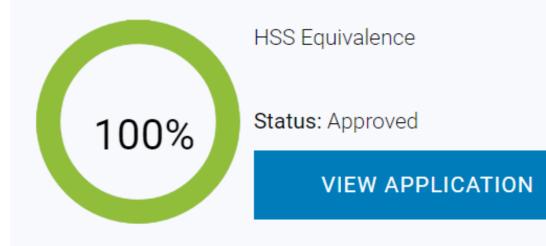
Dashboard

Welcome Robert, this is your private Applicant Portal.

Below, you can view your current applications or start a new one.

NEW APPLICATION

Current Applications



My experience of HSSE



Open Q&A – 10 mins

Group Discussion – 20 mins



Sharing experiences & issues supporting HSSE/HSST for departments and for individuals

Questions

Presentation

Presentation – 30 mins

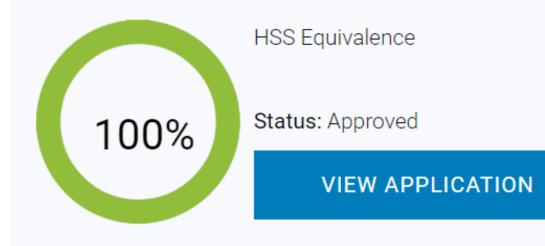
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NEW APPLICATION

Current Applications



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Open Q&A – 10 mins

Group Discussion – 20 mins





Sharing experiences & issues supporting HSSE/HSST for departments and for individuals

Questions

My background

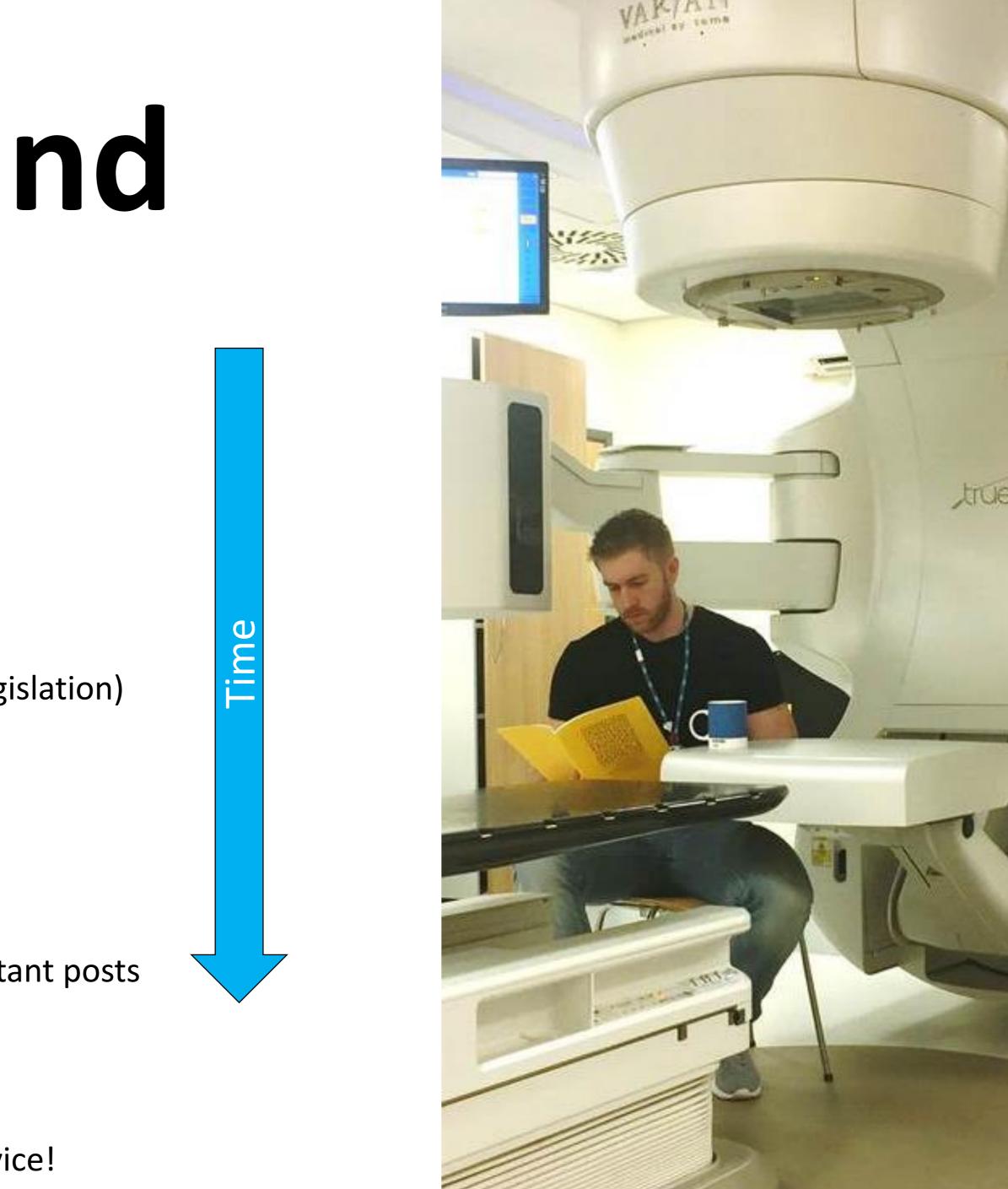
Putting this presentation in context...

- Former graduate of STP program: 1st ever cohort on that scheme
- HCPC Registered Clinical Scientist: Specialising in Medical Physics (Radiotherapy)
- Medical Physics Expert: Expert Practitioner - Legal Register Special powers under IRMER (radiotherapy legislation)
- Working as Lead Physicist (AFC 8B): Radiotherapy Treatment Planning
- Considering HSST/HSSE as next step
- HSS Registered

Continuing CPD, aspiring to future AFC consultant posts

Disclaimer!

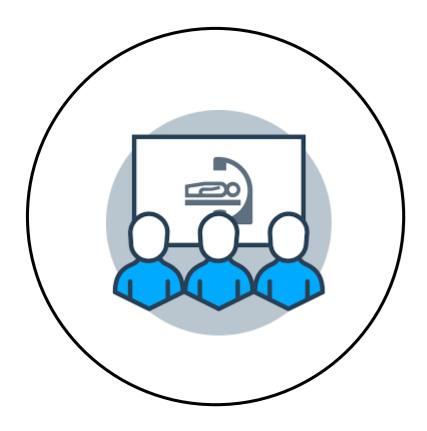
Very mixed audience today, emphasis on mid-career and HSSE References to physics –insert clinical science. Not official AHCS advice!

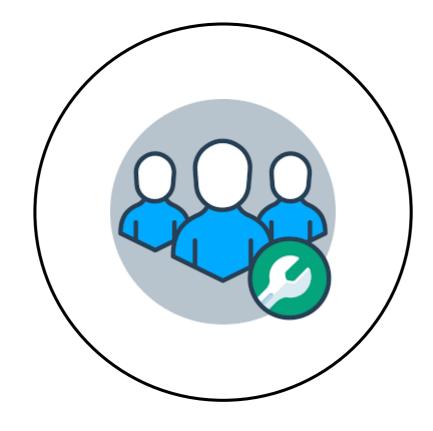




Career Development

Four stages in clinical scientist career pathway...





Pre-Registration

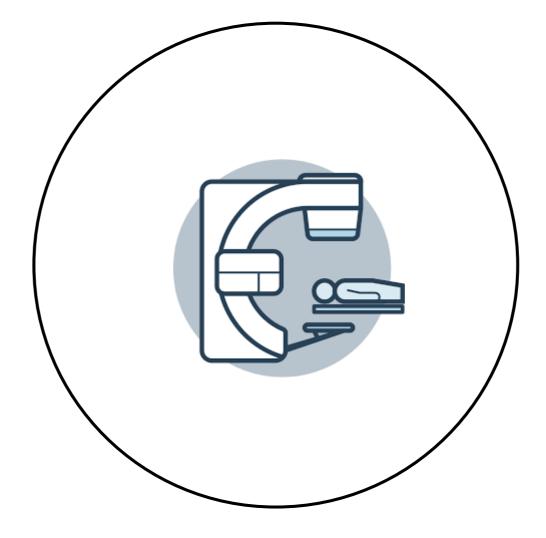
STP Trainees

Route 2

Apprenticeship?

Early Career

<5 years post registration Consolidation of practice Managing clinical & project work MPE accreditation?



Mid Career

Managing projects MPE/subspecialty expert Leading teams & developing others Consultant accreditation?



Late Career

Already in 'the (consultant) system'

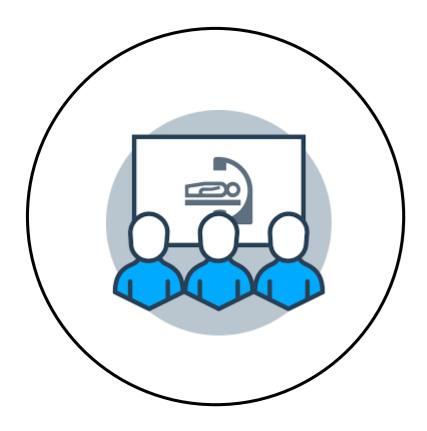
e.g. Heads of department

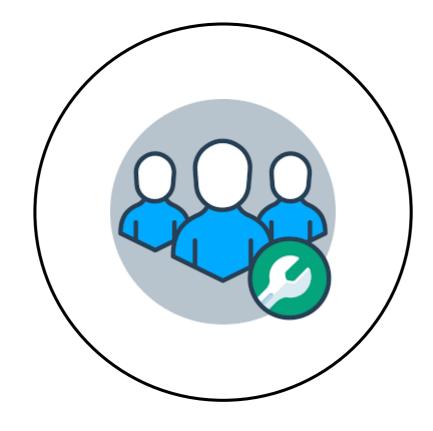
Strategy Focused

Focus on mentoring/coaching

Career Development

Four stages in clinical scientist career pathway...





Pre-Registration

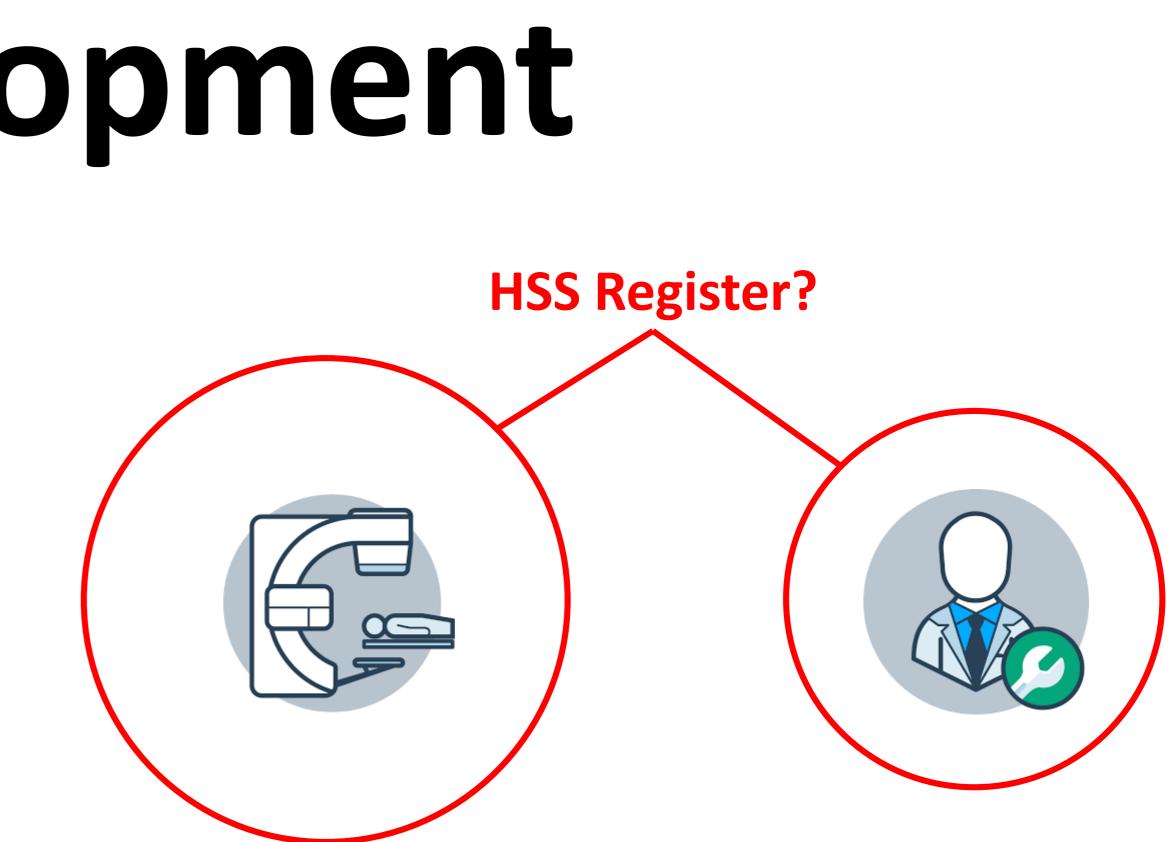
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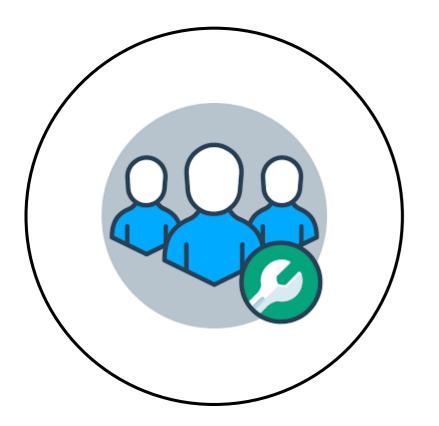
e.g. Heads of department

Strategy Focused

Focus on mentoring/coaching

Early Career

Considerations...



Early Career

<5 years post registration Consolidation of practice Managing clinical & project work MPE accreditation?

- Consolidation and application of knowledge and skills technical focus Working towards medical physics expert (MPE) certification
- lacksquare \bullet
- Leadership and management development: focus on project management Supervision of STP's and NQ's
- \bullet \bullet
- Limited ability to apply and practice HSS learning lacksquare



Late Career

Considerations...



Late Career

Already in 'the (consultant) system'

e.g. Heads of department

Strategy Focused

Focus on mentoring/coaching

- ullet
- \bullet
- Focus on coaching and mentoring lacksquare
- \bullet
- ullet
- lacksquare
- \bullet consultant role.

Established expert in field - transcends subspecialties More experience with leadership and management Influencing 'the system' locally and nationally

HSST may/not augment existing knowledge, skills and experience Joining the AHCS register (portfolio route) is a choice

Any future moves at the national level to mandate AHCS registration are unlikely to materially affect an individual already well established in a high AFC

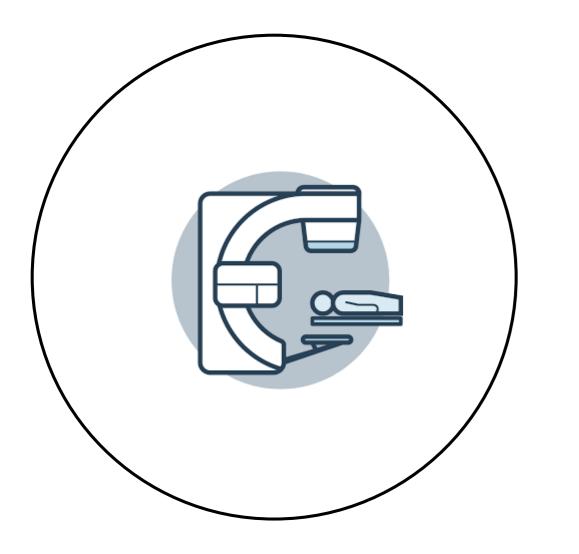


Mid Career

ullet

 \bullet

Considerations...



Mid Career

Managing projects

MPE/subspecialty expert

Leading teams & developing others

Consultant accreditation?

- Practicing and experienced MPE
- Managing projects lacksquare
- Line manager and leading team(s) ●
 - management
- ●
- \bullet

Leadership and management development: focus on people and resource

Beginning to transcend sub-specialty boundaries Good ability to apply and practice HSS learning

Mid Career – HSST? (1)

The structured approach...



Higher Specialist Scientific Training (HSST)

DClinSci

Programme Handbook

2016-17









HSST is a relatively new Healthcare Science training and development pathway designed to equip staff to fulfil future consultant clinical scientist roles.

HSST is just a pre-accredited means of proving someone meets the AHCS "standards of proficiency" expected of a consultant level scientist.

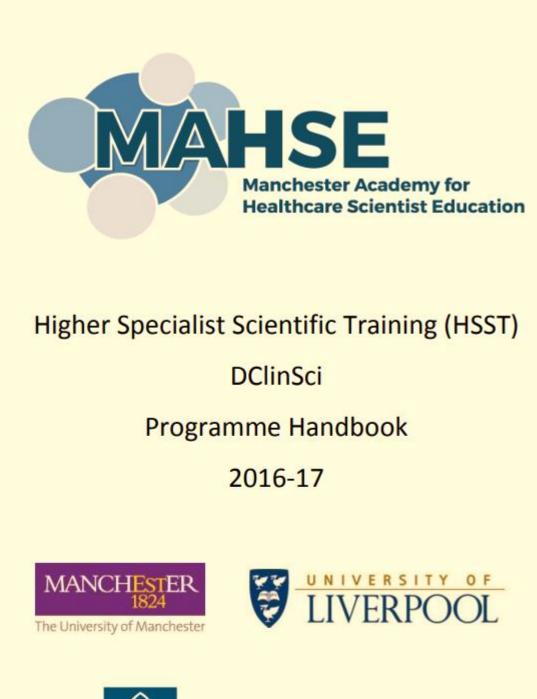
Your CPD program can be designed with reference to HSST competencies, regardless of your interests in the HSST programme and whether or not this features within the departmental workforce plan.

This CPD should equip you with the equivalent skills and keep pace with those on a formal HSST route. Registration by equivalence (HSSE) is an end option here.



Mid Career – HSST? (2)

The structured approach...







- You've got to be in it for the right reasons!
- Personal decision \bullet
- Serious commitment of time and effort (5 years)
 - Particularly in first 2-3 years with the coursework load
 - 1/5 days work allocation is unlikely to be sufficient evenings and many weekends of own time
- Improve leadership skills in the workplace \bullet
- Effective at advancing the higher scientific knowledge •
- May be suitable for someone looking for a more structured CPD approach or lacking research experience
- Not necessarily suitable for someone already working at a level in \bullet line with HSS domains

Mid Career – HSSE?

The CPD approach...



Higher Specialist Scientist Equivalence: Guidance for Applicants

- Lines up with HSS domains Identify gaps and tailor training to suit the individual • E.g. increasing research output Leadership programs

- Still 'keep pace' with those on the formal HSST program Potentially more organic pace of progression Less formal, but requires individual to be more assertive with their own CPD
- •
- May miss out on what you don't know you don't know! Slightly cloudy process, little precedent thus far

HSS Register

HSS 'Consultant' Register



Not currently correlated with AFC Consultant level posts or NHS workforce planning

... for group discussion

Search Results

You will be able to view the decisions taken by our Fitness to Practise Panels and Interim Orders Panels here. Sanctions will also be clearly demonstrated against the registrants name on our searchable register.

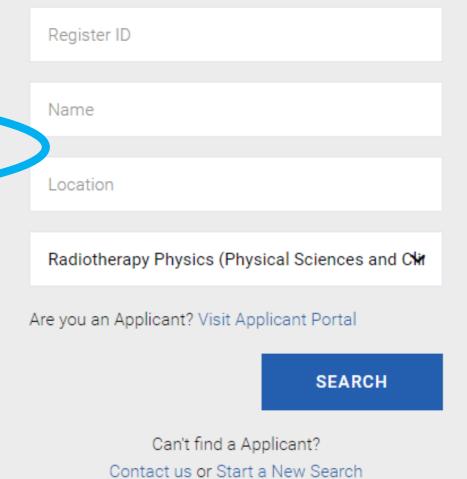
You can search by either ID, name, location or specialism by filling in the relevant fields and then pressing the search button.

Found 7 result(s).

ID	мате	Register	Location	Specialism	Ехриу вал
21221	Mr Robert Biggar	HSS	Exeter	Radiotherapy Physics	Mar 3, 2022
2405	Mr (William) Peter Colley	HSS	Coungnam	Radiotherapy Physics	Sep 7, 2021
3674	Dr Robert Farley	HSS	Leeds	Radiotherapy Physics	Sep 20, 2021
17334	Dr Martyn Gilmore	HSS	Bebington	Radiotherapy Physics	Feb 10, 2022
20660	Dr Geoffrey Heyes	HSS	Birmingham	Radiotherapy Physics	Feb 8, 2022
21284	Dr Simeon Nill	HSS	Sutton	Radiotherapy Physics	Jan 18, 2022
8354	Mr Andrew Robinson	HSS	London	Radiotherapy Physics	Apr 12, 2022



Search the Academy for Healthcare Science Register



HSS Register

HSS 'Consultant' Register



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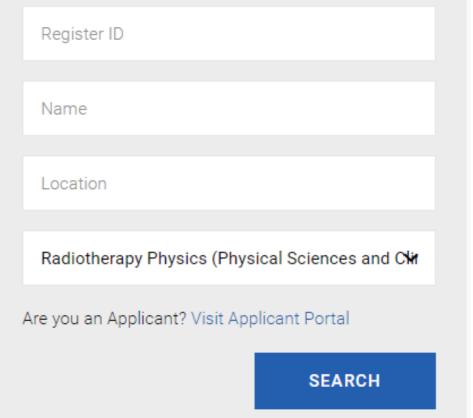
ID	Name	Register	Location	Specialism	Expiry Date
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Why so few numbers considering several cohorts of HSST have graduated?

... for group discussion



Search the Academy for Healthcare Science Register



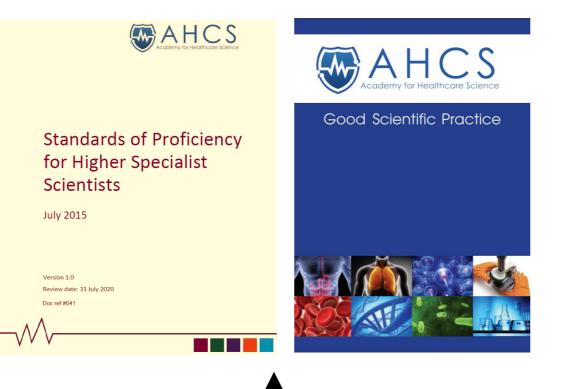
Can't find a Applicant? Contact us or Start a New Search

Routes to register

HSS 'Consultant' Register Academy for Healthcare Science

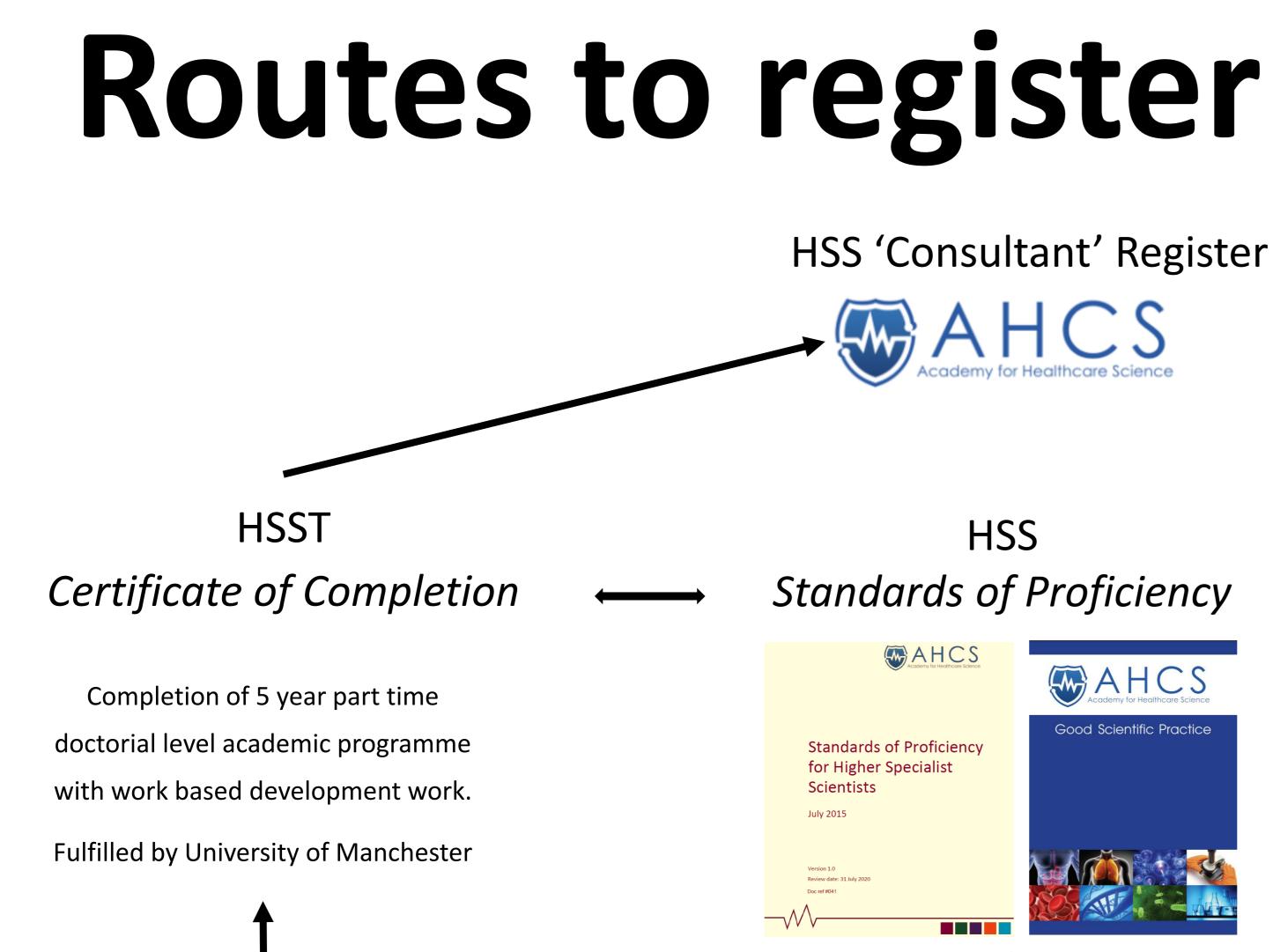


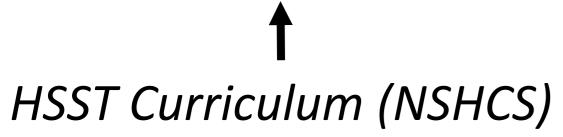




AHCS Good Scientific Practice

HSS Standards of Proficiency

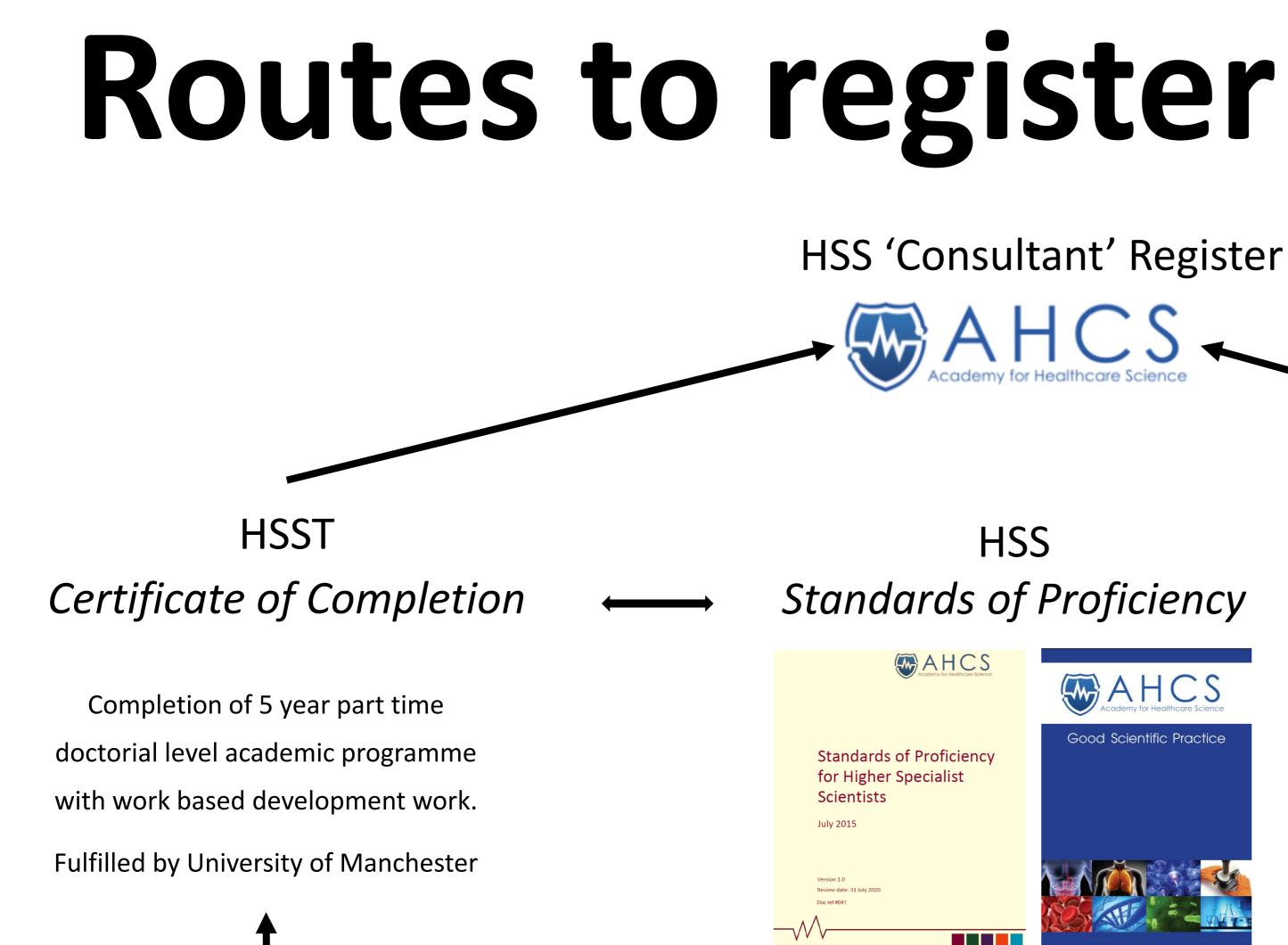


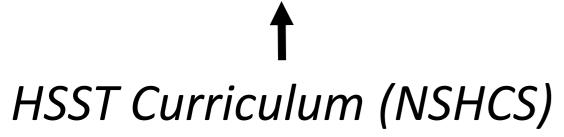




Higher Specialist Scientist Training Programme

AHCS Good Scientific Practice





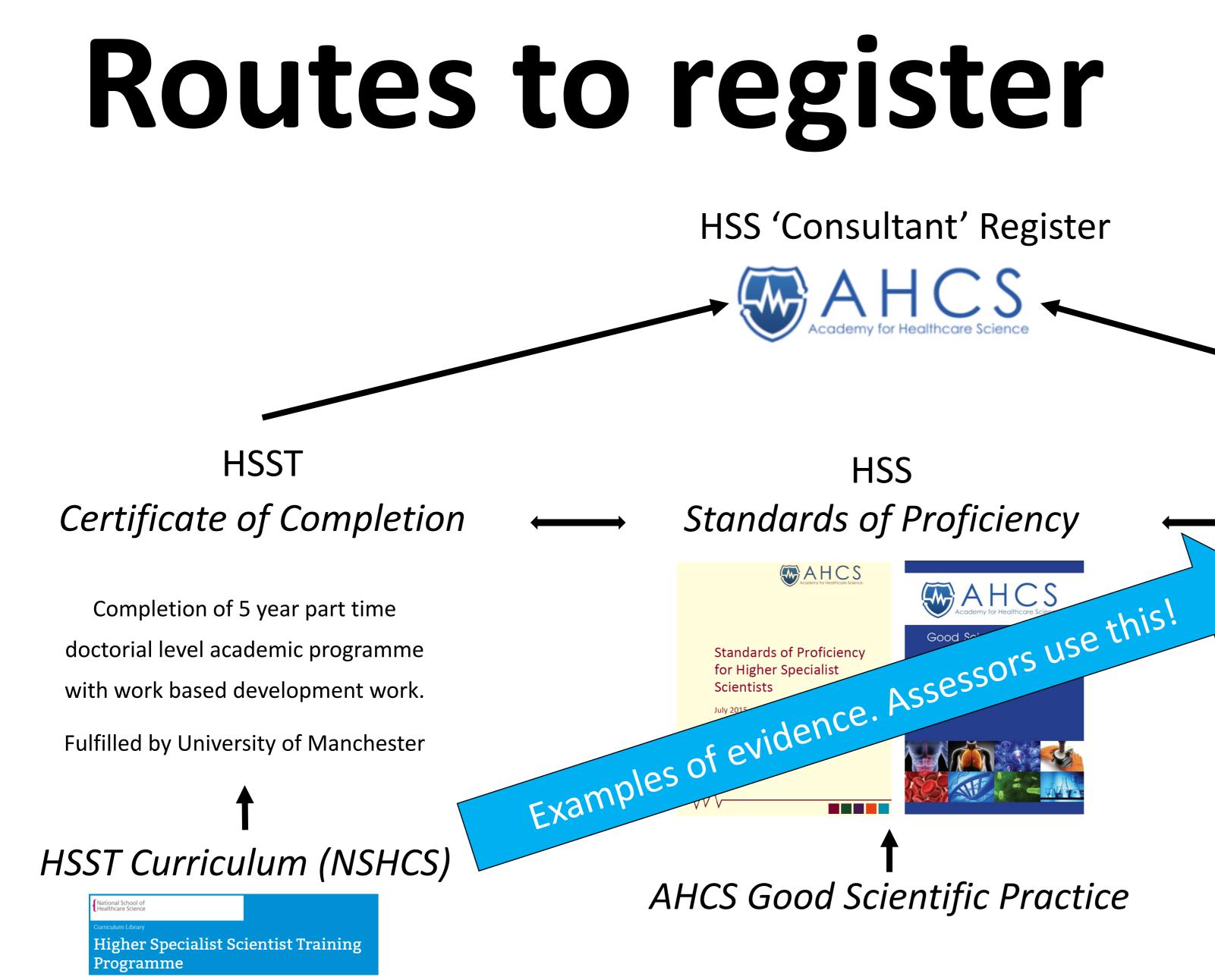


Higher Specialist Scientist Training Programme

AHCS Good Scientific Practice

HSSE *Certificate of Equivalence*

Real world experience culminating in formal submission of evidence of equivalence. Demonstrating skills, knowledge and experience meeting SoP and GSP. Fulfilled by AHCS equivalence online portal



HSS 'Consultant' Register

HSS Standards of Proficiency

HSSE *Certificate of Equivalence*

Real world experience culminating in formal submission of evidence of equivalence. Demonstrating skills, knowledge and experience meeting SoP and GSP. Fulfilled by AHCS equivalence online portal

AHCS Good Scientific Practice

Equivalence Process

This is the most important document

Higher Specialist



Scientist Equivalence: **Guidance for Applicants**

Equivalence Process

- 1. Submit application online (£280 fee, one-off)
- 2. Admin checks by AHCS qualifications, DBS, Job description, HCPC verified
- 3. Full assessment by panel
 - a) Specialist i.e. Consultant Radiotherapy Physicists
 - Clinical Expert same division, e.g. Non-ionising Physicist b)
 - Lay Person C)



Outcome (~6-8 weeks)

Further Evidence Required

Portfolio required (6 months):

Only in domains which were insufficient 200 pages max, 5000 word summary report +Mapping matrix against HSS SoP +Supporting evidence documents

Equivalence Not Demonstrated

Individual advised they're not close to the required standard and to re-apply in the future following further training and/or experience.

Equivalence Portal

- -> C 🏠 🗎 app.ahcs.ac.uk/portal/dashboard

Dashboard

My Applications

HSS Equivalence

HSS Register

My Profile

Logout

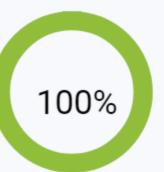
Dashboard

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NEW APPLICATION

Current Applications



HSS Equivalence

Status: Approved

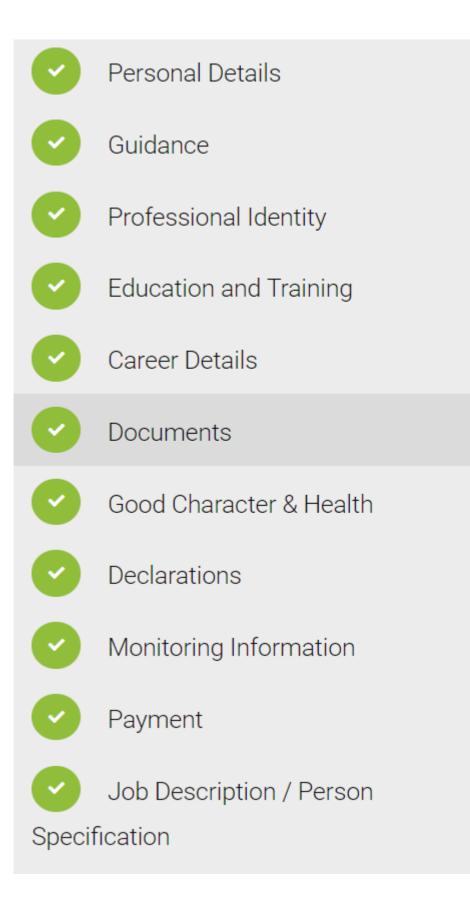
VIEW APPLICATION

HSS Register 100% VIEW APP	PLICATION
	© 2021 AHCS

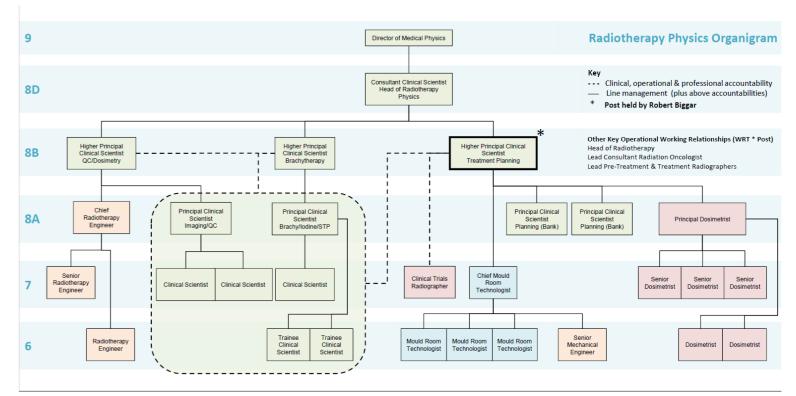
Equivalence Portal

← → C 🏠 🏻 app.ahcs.ac.uk/portal/application/20811/overview		🖈 🔟 🗶 🖈 🖪 🗄
Dashboard		Robert Biggar 👻 🔎
My Application	Overview 100%	
HSS Equivalence		
i Overview	Read Only	
Personal Details	Please note that your HSS Equivalence application is now Read Only. Please contact the Administrator on equivalence@ahcs.ac.uk if any changes are required.	
Guidance		
Professional Identity		
Education and Training		
Career Details	Personal Details Guidance	
Documents	COMPLETED COMPLETED	
Good Character & Health		
Declarations		
Monitoring Information	Professional Identity Education and Training	
Payment	COMPLETED COMPLETED	
Job Description / Person		
Specification		
Certificate		
Complete Application		
My Profile	COMPLETED COMPLETED	
Logout		
	Good Character & Health Declarations	© 2021 AHCS

Application Requirements



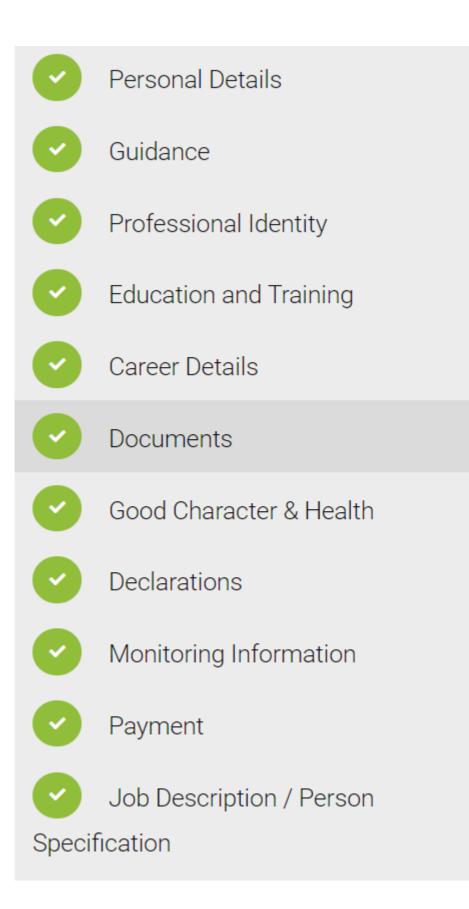
- Usual demographic information
- Qualifications history
- Work history
- Declarations, payment
- *Documents* 2 x Professional References Current DBS



<u>Verified</u> current job description and person spec. **Pro Tip!** I added a dept. organigram to put this in context

Extended Summary CV (1500 words max)

Documents Section



Please note that your HSS Equivalence application is now Rea Administrator on equivalence@ahcs.ac.uk if any changes are

Documents 🗸

Please upload the following documentation in support of your application.

A certified copy of one form of identification.

Two professional references.

CV to include 1,500-word (maximum) summary of your career to date, making explicit reference to how the five domains set out in the HSS Standards of Proficiency have been met.

A DBS certificate dated within the last 3 years, or evidence that your employer has checked your DBS status and confirmed no change has occurred since a certificate was issued.

2 x Professional References Extended Summary CV Current DBS Certified ID (passport etc)

Pro Tip!

There is no limit on additional documents you can upload. However, the assessors don't want a portfolio by stealth!

Domains

Within the HSS: Standards of proficiency...

05 Domains16 Standards63 Sub-Standards

Equivalence 'portfolio' should explicitly reference how all 63 sub-standards have been met through knowledge, skills and experience.

Oomain One: Professional Practice
Standard 1 – Practise with the professionalism expected of a Consultant Clinical Scie
Standard 2 – Ensure professionalism in working with peers and with service users
Standard 3 – Ensure professionalism in areas of governance and service accreditation
Standard 4 – Direct the education and training of others
Oomain Two: Scientific Practice
Standard 5 – Lead scientific services
Standard 6 – Direct scientific validation and evaluation
Standard 7 – Assure safety in the scientific setting
Oomain Three: Clinical Practice
Standard 8 – Ensure clinical relevance of scientific services provided
Standard 9 – Deliver effective clinical services
Oomain Four: Research, Development and Innovation
Standard 10 – Lead research, development and innovation in clinical priority areas
Standard 11 – Evaluate research, development and innovation outcomes to improve s
service provision
Standard 12 – Promote a culture of innovation
Standard 13 – Assure research governance
Oomain Five: Clinical Leadership
Standard 14 – Ensure strategic leadership
Standard 15 – Ensure clinical scientific leadership
Standard 16 – Assure effective management of resources



Domains

Within the HSS: Standards of proficiency...

05 Domains 16 Standards 63 Sub-Standards

Equivalence 'portfolio' should explicitly reference how all 63 sub-standards have been met through knowledge, skills and experience.

Pro Tip!

Consider proportional word count in your 1500 word CV. I combined evidence for clinical practice and leadership.

Domain	Sub-standards	Words
Professional Practice	23	548
Scientific Practice	12	286
Clinical Practice	6	143
Research, Development and Innovation	12	286
Clinical Leadership	10	238
Total:	63	1500

Domain On	e: Professional Practice					
Standard 1 – Practise with the professionalism expected of a Consultant Clinical Scie						
Standard 2 – Ensure professionalism in working with peers and with service users						
Standard 3	- Ensure professionalism in areas of governance and service accreditation					
Standard 4	 Direct the education and training of others 					
Domain Two	o: Scientific Practice					
Standard 5	- Lead scientific services					
Standard 6	- Direct scientific validation and evaluation					
Standard 7						
Domain Th	STANDARD 5 – LEAD SCIENTIFIC SERVICES					
Standard 8						
Standard 9	5.1 Assess the demand and specification for evolving scientific services w users, clinical colleagues and other relevant stakeholders					
Domain Fo	-					
Standard 1	5.2 Evaluate the scientific literature and other scientific sources and work w					
Standard 1	others to develop scientific and business cases for service improvement					
service pro	5.3 Lead a clinical scientific department offering a broad range of services a					
Standard 1	creating a culture of continuous improvement and innovation					
Standard 1	5.4 Provide a high level of scientific expertise to complex problems in own ar					
Domain Fiv	of specialist practice					
Standard 1						
Standard 1	5.5 Ensure that clinical scientific services are delivered with a commitment excellent quality, safety, confidentiality, accountability, reliability					
Standard 1	communication and professional and managerial integrity					



Professional References

- Two Referees (1 must be HCPC/GMC registered) who will support your application in writing
 - 1. Current line manager
 - 2. Another senior colleague with direct working relationship (e.g. Chief exec, director, consultant, senior lecturer etc)
- Written, long form letter (~1 page) old-fashioned job reference
- Verifying content of applicants CV
- Direct knowledge of applicants expertise and current practice • Commentary supporting how the applicant meets HSS SoP's and is working at a consultant level

Pro Tip! - Ancillary references

Research and Trials Radiographer - further evidencing research, innovation domain

With thanks to Andy Nevill, Eduardo Villarreal, James Brent, Louise Turtle and Peta Foxall

- Additional references beyond the official 2 to round out some other domains (mentioned in assessors report) Trust Chairman and Lead Governor - evidencing professional practice and wider contribution to healthcare.

Extended CV

The difficult bit!...

- skills, knowledge and experience:
- Significant contribution/impact to your field research, training etc
- Evidencing consultant level practice
- Very personal to you
- Not exhaustive, try to vary examples used for evidence to demonstrate breadth
- This will take time, tough to recall your whole career quickly
- Don't be TOO British! Make it clear what you have done.

- Use additional document attachments but don't go mad! e.g. list of publications
- Format? Free, but make it as easy for the assessors as possible
 - Separate list of acronyms, particularly for lay assessor

• 1500 word (max) extended CV evidencing all 5 domains, 63 sub-standards of proficiency through your career -

• Also capturing the essence of good scientific practice and examples commensurate with HSST curriculum • Demonstrate a wider commitment to healthcare science – transcending subspecialties or even division

Pro Tip!

All the stuff...

01	
01	HSST Curriculum
	https://curriculumlibrary.nshcs.org.uk/hsst/
02	AHCS Equivalence Portal https://app.ahcs.ac.uk/portal/dashboard
03	HSS 'Consultant' Register
	https://app.ahcs.ac.uk/search
04	Good Scientific Practice
	HSS Standards of Proficiency
	HSSE Guidance for Applicants
	https://www.ahcs.ac.uk/equivalence/equivalence-guidance
05	IPEM HSSE Special Interest Study Day



AHCS

About Patients & Public Our Registers • Directories Equivalence Education & Training Professional Bodies Council Fellows News / Events

Equivalence

Introduction to Equivalence

About Equivalence What is Equivalence? Do I need Equivalence? How do I Demonstrate Equivalence? What do I achieve? What is the cost?

Apply For Equivalence

Equivalence Guidance

Equivalence FAQ's Career Framework for Healthcare Scientists

EQUIVALENCE

Equivalence Guidance

Though we will endeavour to keep to our normal timelines for assessments where possible, a lot of our Assessors are currently heavily involved in dealing with Covid-19 and we may experience delays to our normal timelines. We thank you for your patience.

General Guidance

- Good Scientific Practice 2012
- Good Scientific Practice 2021 📩
- Good Scientific Practice 2021 Summary of Changes 📩
- Good Scientific Practice 2021 Implementation Timeline 📩
- Good Scientific Practice 2021 Useful Reference 📩
- AHCS Equality and Diversity Policy 1
- AHCS Statement on Health and Disability 📩
- AHCS Data Protection Policy L
- AHCS Appeals & Complaints for Equivalence Certification POL003

Certificate of Competence Guidance

If you are working in one of the following roles:

- Anatomical Pathology Technologist
- Genetic Technologist
- Ophthalmic Science Technologist
- Tissue Bank Technologist

Please read the guidance below:

- Practitioner Certificate of Competence Programme Handbook 📩
- Practitioner Certificate of Competence Guidance for Applicants Anatomical Pathology Technologists 📩
- Practitioner Certificate of Competence Example of Personal Statement Anatomical Pathology Technologists
- Practitioner Certificate of Competence Guidance for Applicants Genetic Technologists 🛓
- Practitioner Certificate of Competence Guidance for Applicants Ophthalmic Science Technologists 🛓
- Practitioner Certificate of Competence Guidance for Applicants Tissue Bank Technologists 📩
- <u>Standards of Proficiency for Anatomical Pathology Technologist </u>
- Standards of Proficiency for Genetic Technologists 📩
- <u>Standards of Proficiency for Ophthalmic Science Technologist </u>
- Standards of Proficiency for Tissue Bank Technologist <u></u>

Higher Specialist Scientist (HSS) Equivalence Guidance

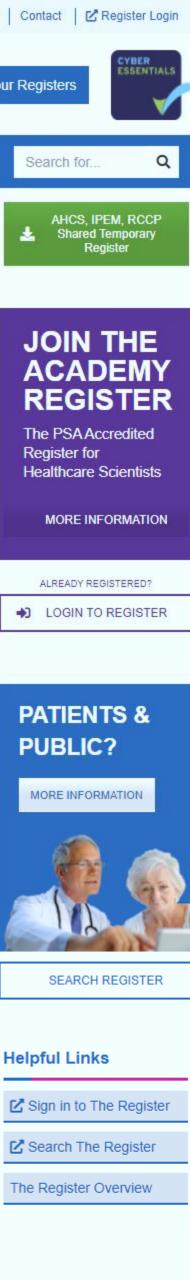
- HSS Flowchart of Equivalence Process 🛓
- HSS Standards of Proficiency 🛓
- HSSR Certificate of Equivalence Programme Handbook 📩
- HSSE Guidance for Applicants 📩
- HSSE Templates for Applicants 🛓

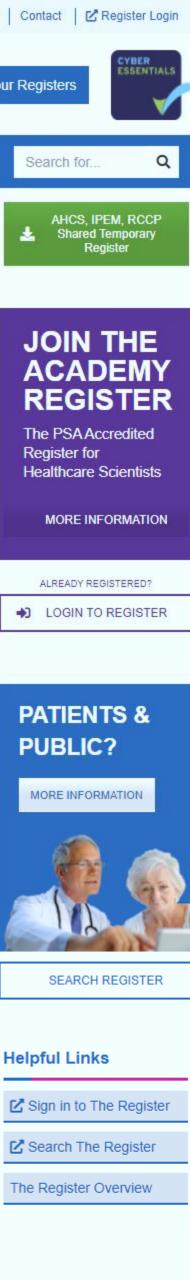
Scientist Training Programme (STP) Equivalence Guidance

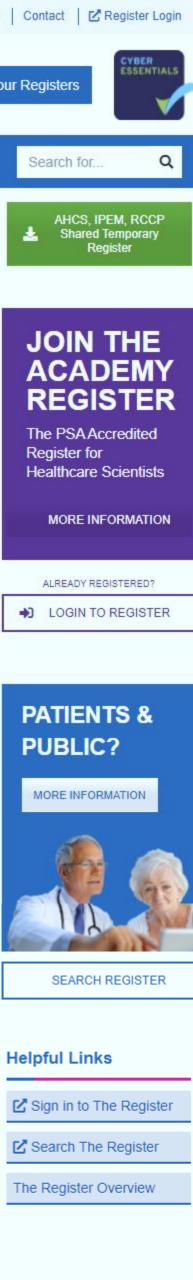
STP Certificate of Equivalence Programme Handbook J.











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Q&A Section

FAQ's

- What is the minimum level 1. for equivalence?
- Do you need a PHD? 2.
- Do you have to fulfil all of 3. the HSST curriculum?
- Is it easier than HSST? 4.
- 5. How long does it take to build a portfolio?
- Types of evidence 6.



Open Q&A – 10 mins





Sharing experiences & issues supporting HSSE/HSST for departments and for individuals

Questions?

Group Discussion

Presentation – 30 mins

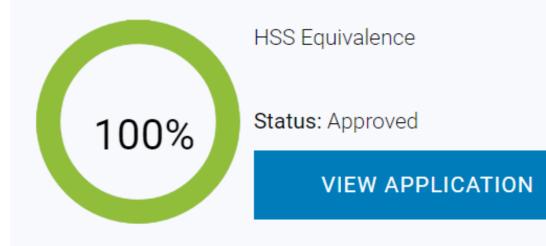
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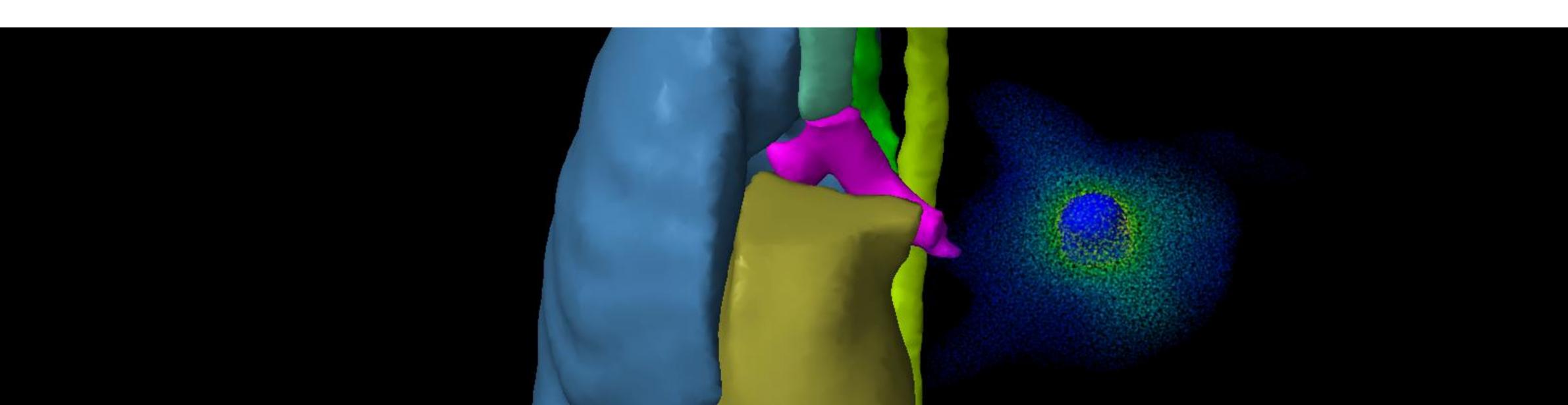
The HSSE Pathway ...one applicant's experience



Rob Biggar MSc CSci MIPEM MInstP

Fellow of the Academy for Healthcare Science

Lead Physicist | Treatment Planning | Medical Physics Expert (MPE) r.biggar@nhs.net



NHS Foundation Trust