

How do I apply to the Scientific Training Programme?

Dr Martin Stout

Clinical Academic

Manchester Met University / Manchester University NHS FT













Trainee Clinical Scientists

Exciting opportunities to use your science degree for patient and public benefit

Salary c. £26, 000 plus location allowance where applicable; 3 years full time training

Healthcare science is one of the most exciting and dynamic areas to work in. Join a unique team who are inspired to apply their exceptional scientific knowledge and skills to the prevention, diagnosis and treatment of disease and the rehabilitation of patients.

Excellent training opportunities are offered within this national postgraduate training programme located in hospitals and health services throughout England. This is a three-year postgraduate programme and successful candidates will be employed by an NHS trust or other healthcare provider for the duration of their training. Trainees are also enrolled for a fully funded part time vocational master's degree in their chosen specialism.

Posts are normally available within one of the following areas:

- Life Sciences infection sciences; clinical biochemistry; haematology/transfusion science; histocompatibility and immunogenetics; clinical immunology; histopathology; cytopathology; reproductive science; genomics (formerly genetics); and genomic counselling (formerly genetic counselling).
- Physiological Sciences audiology; neurophysiology; ophthalmic and vision sciences; cardiac science; respiratory and sleep sciences; vascular science; gastrointestinal physiology and urodynamic sciences; and critical care science.
- Physical Sciences clinical engineering (rehabilitation engineering, clinical measurement and development, device risk management and governance); medical physics (radiation safety, radiotherapy physics, imaging with ionising radiation, imaging with non-ionising radiation); and clinical pharmaceutical science.
- Bioinformatics Informatics genomics; physical sciences; and health informatics.

Some of the areas may be grouped into themes for application purposes. Posts are due to start in September 2018.

*To apply to the programme and for more information about the opportunities available and details of the qualifications and experience you need, please visit: http://www.nshcs.hee.nhs.uk/join-programme/nhs-scientist-training-programme

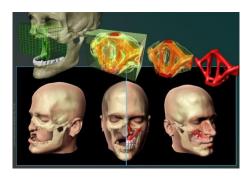
*Please note applications for STP should open during January 2018.

For Scientist Training Programme (STP) specialism and career information please visit the Health Careers website at www.healthcareers.nhs.uk/stp

Before you even consider an

application









National School of Healthcare Science









Before you even consider an application

THIS IS VITALLY IMPORTANT.
YOU NEED AN UNDERSTANDING
OF THE TRAINING PROGRAMME
AND
YOU NEED TO UNDERSTAND
THE SPECIALIST AREA YOU



The Application http://www.nshcs.org.uk/stp-recruitment

Applying to the programme

Applications to the STP are due to open at 1.00pm on Wednesday 9 January 2019.

When to do your application

Make sure you give yourself plenty of time to complete/submit your application form and aptitude tests. Don't leave this until the last minute in case you encountered any problems. The School cannot guarantee that all queries will be answered during the last 48 hours of the application window. Data from the last four years of applications to the STP has shown that applicants who leave completion too late, sometimes end up missing the deadline for submissions entirely and are unable to apply to the programme.

The steps below will help you through the application process for the STP. These steps are applicable for both direct entry and in-service applications, which are both made via the online application portal. You can also read the application guidance for further information on applying to the STP.

Things to consider regarding the application

- Eligibility
- Entry
- Procedure:
 - Are you appropriately qualified and suitable?
 - Scientific and leadership skills, motivation for application, background
 - Aptitude numeric and logic
- Shortlisting nationally
- Interviews

Eligibility....

	Core Person Specification for STP				
QUALIFICATIONS	Applicants must have a 1 st or 2.1 either in an undergraduate honours degree or an integrated master's degree in a pure or applied science subject relevant to the specialism for which they are applying. Applicants with a relevant 2.2 honours degree will also be considered if they have a higher degree ¹ in a subject relevant to the specialism for which they are applying.				
	For all candidates evidence of research experience, e.g. in the form of a higher degree or equivalent evidence of scientific and academic capability, is considered desirable.				





Modernising Scientific Careers Generic job description – Trainee Healthcare Scientist {Pathway}

Name of designated organisation:	{xxxxxxx}				
Location:	Based in host training department with regular travel to academic institution and rotation into hospitals usually local to host department for completion of curriculum and learning outcomes.				
Job title:	Trainee Healthcare Scientist {pathway}				
Grade:	Agenda for Change Band 6				
Responsible to:	Designated Training Coordinator/Officer				
Accountable to:	Head of Department				
Tenure:	3 years fixed term (supernumerary)				
Hours of work:	37.5 hours per week				
Liaises with:	Liaises with other technical and scientific staff of department / section, and other Trainee Healthcare Scientists across a wide range of departments.				
Key working relationships:	The trainee will work closely with the training coordinator/officer and more senior members of staff to follow the curriculum for the MSC Scientist Training Programme.				
	The trainee will work in specified areas of the department and be responsible to the Designated Training Coordinator/Officer for their own work and progression through the scheme.				
	All trainees will be expected to travel to national academic and other courses regularly throughout their training - in some cases this may involve overnight and/or residential stays. Trainees will undertake a master's degree course at a designated academic institution specific for the training pathway. Trainees will be expected to rotate both through the host department, as well as through other local/regional/national scientific services, in order to complete the required pathway work based curricular.				
	Trainees will be a part of a national training programme and will be registered with the National School of Healthcare Science based in the West Midlands Multi-professional Workforce Deanery.				

Read the generic job description.
This is where you will find out exactly what the role requires.





Core person specification for STP 2018

	Core Person Specification for STP	Assess
QUALIFICATIONS	Applicants must have a 1st or 2.1 either in an undergraduate honours degree or an integrated master's degree in a pure or applied science subject relevant to the specialism for which they are applying. Applicants with a relevant 2.2 honours degree will also be considered if they have a higher degree in a subject relevant to the specialism for which they are applying. For all candidates evidence of research experience, e.g. in the form of a higher degree or equivalent evidence of scientific and academic capability. Is considered desirable.	A
	A committed, in depth interest in scientific practice and its application to direct clinical care of patients in a clinical environment.	A & I
SCIENTIFIC SKILLS Demonstrated in a work or study context	Ability to design research investigations and experiments. Ability to analyse and assess scientific, technical and medical literature. Ability to make judgements, including clinical judgements involving facts or situations that impact on patients.	A & I
	Have an understanding of quality control and management assurance in a science or work based context.	A & I
	Ability to develop proficiency in the performance of routine and complex techniques currently in use where they are training (ability to follow Standard Operating Procedures accurately) and the ability to develop and validate new techniques.	A & I
	Able to identify problems associated with scientific equipment, inappropriate testing, incompatible results and to investigate these, plan corrective action confirming appropriateness with senior colleagues and follow up. (Ability to use, maintain and troubleshoot scientific equipment.)	ı
	Has an understanding of the role of their chosen specialism in healthcare and disease and its application in a healthcare setting.	A & I
	Good IT skills and knowledge of common computing packages for word processing, spreadsheets, presentation packages and databases.	A & I
	Ability to analyse complex information comprising laboratory or workshop data, images and clinical details. Knowledge acquired through study and experience to formulate appropriate advice and judgements.	A & I

Higher degree as defined by the The Frameworks for Higher Education Qualifications of UK Degree-Awarding Bodies, link as follows; http://www.gaa.ac.uk/en/Publications/Documents/qualifications/frameworks.pdf (p. 1)-Please note this does not include Postgraduate diplomas or Postgraduate Certificates.

STP Person specification - release 4.0 - December 2017

Likewise for the person specification.

	Excellent interpersonal and communication skills, both writing and speaking in English language in order to:	A & I				
TRANSFERABLE SKILLS Demonstrated in study, work or	 Explain analytical, scientific and clinical aspects of the work to a variety of people including scientific colleagues, clinical professionals, service managers and patients and to listen to their needs. 					
non-work	 Make formal presentations to groups of colleagues. 					
contexts	Good active listening skills to build rapport with listener to encourage an open discussion.	A & I				
	Self-aware and flexible enough to adopt a range of evaluative or empathising listening styles according to the needs of the listener and the situation.	A, I & R				
	Ability to work autonomously in the planning and execution of their own work and under the guidance of their Departmental Supervisors. Flexibility to acquire the skills to organise, plan and monitor the workload of others.	A & I				
	Demonstrable ability to lead others.	A & I				
	Under guidance develops good interpretative skills in the formulation of advice to multi-disciplinary team members on diagnosis and appropriate treatment of patients.					
	Good personal organisational skills.					
	Effective team worker, willing to adopt a role working in collaboration with others.					
	Ability to handle patient samples, hazardous reagents and chemicals in a safe manner in accordance with Health and Safety regulations.					
	Ability to support patients (or their carers) including those with a range of acute or chronic clinical conditions and disabilities in a variety of healthcare settings.					
	Ability to work under pressure (emotional resilience and ability to prioritise and plan work).	R				
DUVOICAL	Good attendance record.	R				
PHYSICAL REQUIREMENTS (Reasonable	Ability to perform a wide range of duties according to the Job Description.					
adjustments will be made in accordance with	Highly developed co-ordination skills with good dexterity and hand-eye co-ordination and those skills required for the performance of fine analytical techniques.	R				
the Equality Act 2010)	Ability to meet the travel requirements of the training role and the clinical rotations.	Α				

STP Person specification - release 4.0 - December 2017

Mode of entry

Direct entry – most common

In-service – less common

For those not in a substantive NHS position.

For those who already hold a contract within the NHS.

Advantages and disadvantages to both methods.

Application procedure

- Short online questions to ensure suitability
- Numerical and logical reasoning aptitude
 tests one chance https://www.trytalentq.com
 - Both these sections must be passed before an applicant can continue their application.
- Detailed questions relating to your skills and motivation for the programme
- Shortlisting by National experts
- Interviews conducted by National experts





Scientist Training Programme (STP)

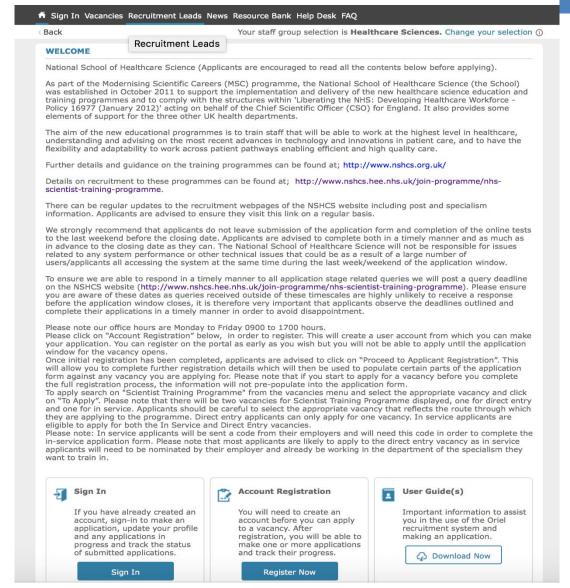
Applicant Recruitment Process Guidance for 2019

November 2018 - Release 1.0

COMMON SENSE TO READ THE GUIDANCE







https://www.oriel.nhs.uk/Web/RecruitmentLead/Edit/Mzg%3d

Program	me	Pathway	Advertised Posts				
Blood Sc	Blood Sciences						
	Clinical Biochemist	ry	18				
	Clinical Immunolog	у	6				
	Haematology		2				
	H&I		6				
CCVRS S	Sciences						
	Cardiac		30				
	Critical Care		0				
	Respiratory & Sleep)	9				
	(Vascular)		(14)				
Cellular S	Sciences						
	Andrology		4				
	'Reproductive Scie	nce'	6				
	Histopathology		1				
Clinical E	Bioinformics						
	Genomics		16				
	Health Informatics		7				
	Physical Sciences		7				
Clinical F	Pharmaceutical Scie	nce	6				
Genomic	Sciences						
	Cancer Genomics		11				
	Genomics		17				
	Genomic Counselli	ng	17				
Neurose	nsory Sciences						
	Audiology		11				
	Neurophysiology		2				
Reconstr	ructive Science		6				

Only programmes within MAHSE are listed here (as of 07/01/19) – for all programmes visit the NSHCS website.

Some of the posts will be subject to change during the recruitment period – NSHCS recommend you check the information prior to making your application





STP 2019 Available positions

Note: Posts available may be subject to change during the recruitment process. Applicants should check this information on a regular basis to ensure they are aware of the most up to date position when making their application.

Additional information and travel requirements are provided if we have them, more information will be added when it is received. It is likely that you will need to travel to other hospitals in the region. There will also be a requirement to travel to University.

Specialism	Employer	Region	Posts	Additional Information
Cardiac Science	Brighton & Sussex University Hospitals NHS Trust	South	2	
Cardiac Science	The Great Western Hospital NHS Foundation Trust	South	1	
Cardiac Science	Royal Papworth Hospital NHS Foundation Trust	Midlands and East	1	It is planned that the Royal Papworth Hospital will move to its new location on the Cambridge Biomedical Campus in May 2019. The hospital was originally due to move in April 2018.
Cardiac Science	Cambridge University Hospitals NHS Foundation Trust	Midlands and East	1	
Cardiac Science	East Kent Hospitals NHS Foundation Trust	South	1	Potential travel between sites. Vascular rotation is at Canterbury
Cardiac Science	Royal Brompton and Harefield NHS Foundation Trust	London	2	1st Year Vascular rotations will be at Barts and Imperial College (both within 5 miles of RBH). 1st Year Respiratory rotation will be at King's College Hospital (within 7 miles of RBH). In Year 3, we offer the CRM specialist pathway only (not echocardiography).
Cardiac Science	Manchester University NHS Foundation Trust	North	3	
Cardiac Science	Barts Health NHS Trust	London	1	During the course of the programme, students may be required to rotate across the hospital sites of Barts Health to experience healthcare in different settings and centres.
Cardiac Science	Royal Free London NHS Foundation Trust	London	2	Work predominantly undertaken at Barnet Hospital.
Cardiac Science	Guy's and St Thomas' NHS Foundation Trust	London	2	Cardiac Science - posts in CRM and Echocardiography.
Cardiac Science	County Durham and Darlington NHS Foundation Trust	North	1	The Main base will be in Durham, however travel to Darlington will be necessary as part of the training programme, as well as a short clinical attachment in Newcastle.
Cardiac Science	Newcastle upon Tyne Hospitals NHS Foundation Trust	North	2	Newcastle-upon-Tyne Hospitals have a staff mini bus that rotates between trust hospitals during normal working hours.
Cardiac Science	Oxford University Hospitals NHS Foundation Trust	South	1	Travel between two sites, Oxford and Banbury.

STP Locations by specialism 2019 v6.0 - 2 January 2019





Cardiac Science	University Hospital Southampton NHS Foundation Trust	South	1	Most rotations at large tertiary centre UHS, and very occasional day observations at local south coast hospitals.
Cardiac Science	Shrewsbury and Telford Hospital NHS Trust	Midlands and East	1	
Cardiac Science	The Royal Wolverhampton NHS Trust	Midlands and East	1	The main base is in New Cross. If going to Cannock is necessary, there is a staff shuttle bus.
Cardiac Science	University Hospitals Birmingham NHS Foundation Trust	Midlands and East	3	This post will be based at the Queen Elizabeth Hospital, which is part of UHB NHS Foundation Trust. Rotations in the 1st year will all be in Birmingham but some elements may be at different hospital sites so that the best training can be delivered and trainees get to experience a variety of clinical environments.
Cardiac Science	York Teaching Hospital NHS Foundation Trust	North	1	All rotations will be delivered by the cardio-respiratory department at York Hospital.
Cardiac Science	Rotherham Doncaster and South Humber NHS Foundation Trust	North	1	Mainly based at Rotherham NHS Foundation Trust but the Vascular placement will be delivered at Sherwood Forest Hospitals in Mansfield (which is approximately 35 minute drive away). In year 2, some interventional cardiology modules will be delivered by the local tertiary centre.
Cardiac Science	Leeds Teaching Hospitals NHS Trust	North	1	
Cardiac Science	Mid Yorkshire Hospitals NHS Trust	North	1	You will be primary based at Pinderfields; however your rotation in Respiratory and Sleep Sciences is likely to be at Pontefract General Infirmary. We offer a free shuttle bus service between all three sites.
Total			30	

The application questions – previous examples

- Your motivation and commitment to the training programme.
 - 200 words, why have you applied?, what is your motivation?, what will you gain in terms of career development?
- Your passion for science and technology.
 - How do you seek to implement constant improvement and innovation in your work studies?
- Values and behaviours.
 - Two values that are most important to deliver high-quality, safe and effective care to people – give examples of when you displayed these values.

Questions cont'd....

- Team working and leadership.
 - Working within a team but also influencing the outcomes, please show how you are a high achieving individual.
- Your knowledge of HCS and this training scheme.
 - What do you know about HCS and the fundamentals of the training scheme?

The Interviews

4 stations with 2 assessors on each station

1 2 4

Questions: designed by professional bodies and leading scientists.

Covering: healthcare science (general and specialism specific), NHS, attitudes, motivations, behaviour, leadership, research skills, understanding of HCS and communication.

Average scores taken for each station and those above set threshold selected

1 2 3 4

Important dates

Direct Entry

Applications	Online tests	Shortlisting	Interviews	Outcomes	Training
Applications open - Wednesday 9 January 2019 at 13:00	Online test completion closes - Monday 11 February 2019 at 17:00	Shortlisting occurs between Thursday 14 February - Tuesday 5 March 2019	 Interviews held: w/c 1 April 2019 w/c 8 April 2019 w/c 29 April 2019 	Initial offers out: should be no later than 28 May 2019	Start date: September 2019
Applications close - Friday 8 February 2019 at 17:00				Employers informed of offer outcomes during May - June 2019	
				Local employment processes during June - August 2019	

In Service

Applications	Online tests	Interviews	Outcomes	Training
Applications open - Wednesday 9 January 2019 at 13:00	Online test completion closes - Wednesday 6 March 2019 at 17:00	Interviews held: • w/c 1 April 2019 • w/c 8 April 2019 • w/c 29 April 2019	Initial offers out: should be no later than 28 May 2019	Start date: September 2019
Applications close - Tuesday 5 March 2019 at 17:00			Employers informed of offer outcomes during May - June 2019	
			Local employment processes during June - August 2019	

STP 2019 interview timetable

The Scientist Training Programme 2019 interviews will be held at the Birmingham City Football Club, St.Andrew's Stadium, Birmingham B9 4RL. The details below may be subject to change so please check this information prior to attending an interview.

Week	Date	Theme	Specialism
1	Monday 1 April	Blood Sciences	Clinical Biochemistry
		Infection Sciences	Microbiology
	Tuesday 2 April	Blood Sciences	Haematology and Transfusion Science
			Histocompatibility and Immunogenetics
			Clinical Immunology
	Wednesday 3 April	Cellular Sciences	Andrology
			Histopathology
			Reproductive Science
	Thursday 4 April	Genomic Sciences	Cancer Genomics (Molecular Pathology)
			Genomic Counselling
	Friday 5 April	Genomic Sciences	Genomics
2	Monday 8 April	Medical Physics	Medical Physics
	Tuesday 9 April	Medical Physics	Medical Physics
	Wednesday 10 April	Medical Physics	Medical Physics
		Clinical Pharmaceutical Science	Clinical Pharmaceutical Science
	Thursday 11 April		Clinical Bioinformatics (Genomics)
			Clinical Bioinformatics (Physical Sciences)
	Friday 12 April	Clinical Bioinformatics	Clinical Bioinformatics (Health Informatics)
		Clinical Engineering	Clinical Engineering
			Reconstructive Science
3	Monday 29 April	CCVRS	Cardiac Science
	Tuesday 30 April	CCVRS	Cardiac Science
			Vascular Science
	Wednesday 1 May	CCVRS	Respiratory and Sleep Sciences
			Gastrointestinal Physiology
			Urodynamic Science
		Neurosensory	Neurophysiology
	Thursday 2 May	Neurosensory	Audiology
			Ophthalmic and Vision Sciences

How many candidates are selected?

National School of Healthcare Science

NHS B Health Education England

STP 2019 Available positions

Note: Posts available may be subject to change during the recruitment process. Applicants should check this information on a regular basis to ensure they are aware of the most up to date position when making their application.

Additional information and travel requirements are provided if we have them, more information will be added when it is received. It is likely that you will need to travel to other hospitals in the region. There will also be a requirement to travel to University.

Specialism	Employer	Region	Posts	Additional Information	
Cardiac Science	Brighton & Sussex University Hospitals NHS Trust	South	2		
Cardiac Science	The Great Western Hospital NHS Foundation Trust	South	1		
Cardiac Science	Royal Papworth Hospital NHS Foundation Trust	Midlands and East	1	It is planned that the Royal Papworth Hospital will move to its new location on the Cambridge Biomedical Campus in May 2019. The hospital was originally due to move in April 2018.	7
Cardiac Science	Cambridge University Hospitals NHS Foundation Trust	Midlands and East	1		C
Cardiac Science	East Kent Hospitals NHS Foundation Trust	South	1	Potential travel between sites. Vascular rotation is at Canterbury	
Cardiac Science	Royal Brompton and Harefield NHS Foundation Trust	London	2	1st Year Vascular rotations will be at Barts and Imperial College (both within 5 miles of RBH). 1st Year Respiratory rotation will be at King's College Hospital (within 7 miles of RBH). In Year 3, we offer the CRM specialist pathway only (not echocardiography).	-
Cardiac Science	Manchester University NHS Foundation Trust	North	3		1
Cardiac Science	Barts Health NHS Trust	London	1	During the course of the programme, students may be required to rotate across the hospital sites of Barts Health to experience healthcare in different settings and centres.	C
Cardiac Science	Royal Free London NHS Foundation Trust	London	2	Work predominantly undertaken at Barnet Hospital.	
Cardiac Science	Guy's and St Thomas' NHS Foundation Trust	London	2	Cardiac Science - posts in CRM and Echocardiography.	1
Cardiac Science	County Durham and Darlington NHS Foundation Trust	North	1	The Main base will be in Durham, however travel to Darlington will be necessary as part of the training programme, as well as a short clinical attachment in Newcastle.	C
Cardiac Science	Newcastle upon Tyne Hospitals NHS Foundation Trust	North	2	Newcastle-upon-Tyne Hospitals have a staff mini bus that rotates between trust hospitals during normal working hours.	G
Cardiac Science	Oxford University Hospitals NHS Foundation Trust	South	1	Travel between two sites, Oxford and Banbury.	

STP Locations by specialism 2019 v6.0 - 2 January 2019

	_		-	
	Programme		Pathway	Advertised Posts
₹				
d	Blood S			
-		Clinical Bioche	mistry	18
		Clinical Immun	ology	6
		Haematology		2
d		H&I		6
	CCVRS	Sciences		
		Cardiac		30
1		Critical Care		0
		Respiratory & S	Sleep	9
4		(Vascular)		(14)
	Cellular	Sciences		
		Andrology		4
	'Reproductive Science'		Science'	6
+		Histopathology		1
1	Clinical	Bioinformatics		
		Genomics		16
\downarrow		Health Informa	tics	7
+		Physical Scien	ces	7
	Clinical Pharmaceutical Science			6
$\frac{1}{2}$	Genomi	c Sciences		
		Cancer Genom	ics	11
		Genomics		17
		Genomic Coun	selling	17
	Neurose	ensory Sciences		
		Audiology		11
		Neurophysiolo	gy	2
	Recons	tructive Science		6

Commencing training

- Complete pre-employment checks for NHS for September 2019 start
- 1 month in workplace to complete inductions / familiarisations
- Academic (Manchester) starts Sept/Oct 2018
- Release from workplace to complete academic components



What our trainees say



Join a programme Curricula **Trainees** Training departments Home Careers News Events About us

You are here: Home > Join a programme > NHS Scientist Training Programme > Frequently asked questions Join a programme NHS Scientist Training Programme About the programme Most popular Entry requirements Applying to the programme What is the recruitment process? How should I complete the online aptitude tests? STP 2018 Specialisms by location What is a relevant degree? Important dates What do I need to be eligible for the STP? What can I expect at my interview? Open days University providers

Questions about the Scientist Training Programme

In addition to the 'most popular' frequently asked questions below, we recommend that you read through the full STP 2018 Frequently Asked Questions and the STP 2018 Guidance for Applicants. We also recommend that applicants read through all of the information on the STP Join a programme webpages.

I am from outside of the UK; do I have the right to work in the UK?

Click on the tabs below for further information about the Scientist Training Programme.

About the STP Applying to the STP Entry requirements Shortlisting and interviews

Thanks for listening

QUESTIONS?