

BBTS 2014

Modernising Scientific Careers how is this paid for?

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Haematology and Transfusion

Job title	Life		Physiological		Physical			Haem and Transfusion	
Qualified HealthCare Scientists	18802	59.0%	6589	72.1%	4924	79.9%		4654	46.7%
Consultant Clinical Scientists	294	0.9%	49	0.5%	219	3.6%		34	0.3%
Managers	641	2.0%	287	3.1%	149	2.4%		169	1.7%
Clinical Scientists	2335	7.3%	594	6.5%	1072	17.4%		193	1.9%
Biomedical Scientists	13289	41.7%	0	0.0%	0	0.0%		3927	39.4%
Technician	1886	5.9%	5673	62.1%	3504	56.9%		334	3.4%
Cytoscreener	371	1.2%	0	0.0%	0	0.0%		0	0.0%
Support to Health Care Scientists	13067	41.0%	2532	27.7%	1217	19.8%		5308	53.3%
Assistant Practitioner	297	0.9%	107	1.2%	35	0.6%		56	0.6%
Assistant / Support worker	11735	36.8%	1800	19.7%	859	13.9%		5054	50.7%
Student Trainee	1040	3.3%	627	6.9%	323	5.2%		199	2.0%
Total	31888	100.0%	9137	100.0%	6161	100.0%		9966	100.0%
Ratio Qualified to support	59:41		72:28			80:20		48:52	

Support Workers

- Always seen as *important piece of work*
- Variety of local initiatives
- IBMS Introduced 2 qualifications in 2012
- DH MSC team / NHS Employers talk of an apprentice initiative in 2014.
- **Funding via DWP in England paid to employ Apprentice**

PTP Model

- Single model for Life Sciences, Physiological Sciences and Medical Physics/Engineering.
- Delivered & quality assured by HEIs
- Students: not employed Trainees, paying fees
- 3yr programme of integrated academic and work-based learning
- Leads to qualification as a HCS Practitioner??
- Original intention to lead to statutory Regulation??
- Focussed on NHS laboratories

Regulation

- No new regulation
- Biomedical Scientist register remains open – no plan to change
- Clinical Scientist register remains open.
- All programmes must meet the existing criteria
- IBMS accreditation and/or HCPC approval (SOP's)
- MSC PTP insufficient alone to enable entry to register
- Academy of HCS assessing entry to CS register and equivalence route launched 2014
- Academy of HCS discussing “voluntary” Registers for Practitioners aimed at Physics and Physiology.

IBMS accredited BMS degrees

Traditional		PTP
England	44	7
Scotland	5	0
Wales	2	2
NI	2	0
Non-UK	7	0

Funding was withdrawn in England for (applied) degrees, placement modules. However discussions over may reinstate in England but only for the PTP model.

Scotland existing funding and Degrees remain

Wales adapted PTP model, but funding of placement remains.

PTP Provision

PRACTITIONER TRAINING PROGRAMME UNDERGRADUATE HEADCOUNT AT 01-12-12

Please enter the name of your University in the space below	Please enter the student head-count still on-programme at 01/12/12 for all programmes indicated below that you offer			Please enter University student number target	Please enter University student number target
	Started autumn 2010 to complete summer 2013	Started autumn 2011 to complete summer 2014	Started autumn 2012 to complete summer 2015	Target for autumn 2013 to complete summer 2016	Target for autumn 2014 to complete summer 2017
BSc Healthcare Science (Blood Sciences)	10	26	16	37	38
BSc Healthcare Science (Cellular Science)	2	6	18	20	22
BSc Healthcare Science (Infection Science)	4	15	14	19	20
BSc Healthcare Science (Genetic Science)	5	4	4	5	5
BSc Healthcare Science (Audiology)	0	78	82	148	148
BSc Healthcare Science (Neurophysiology)	0	2	1	47	22
BSc Healthcare Science (Ophthalmic & Vision Sciences)	0	0	0	3	3
BSc Healthcare Science (Cardiac Physiology)	45	115	110	188	193
BSc Healthcare Science (Cardiac Physiology) PART TIME ONLY	0	4	0	5	5
BSc Healthcare Science (Respiratory & Sleep Physiology)	12	21	28	49	49
BSc Healthcare Science (Radiotherapy Physics)	0	2	0	5	0
BSc Healthcare Science (Nuclear Medicine)	0	0	0	0	5
BSc Healthcare Science (Radiation Physics)	0	0	0	0	0
BSc Healthcare Science (Medical Engineering)	0	3	6	12	15
BSc Healthcare Science (Rehabilitation Engineering)	0	2	4	8	10
BSc Healthcare Science (Renal Technology)	0	1	2	4	5
BSc Healthcare Science (Radiation Engineering)	0	0	0	0	0
PTP Intake for year	78	279	285	550	540
PTP Student population	78	357	642	1114	1375

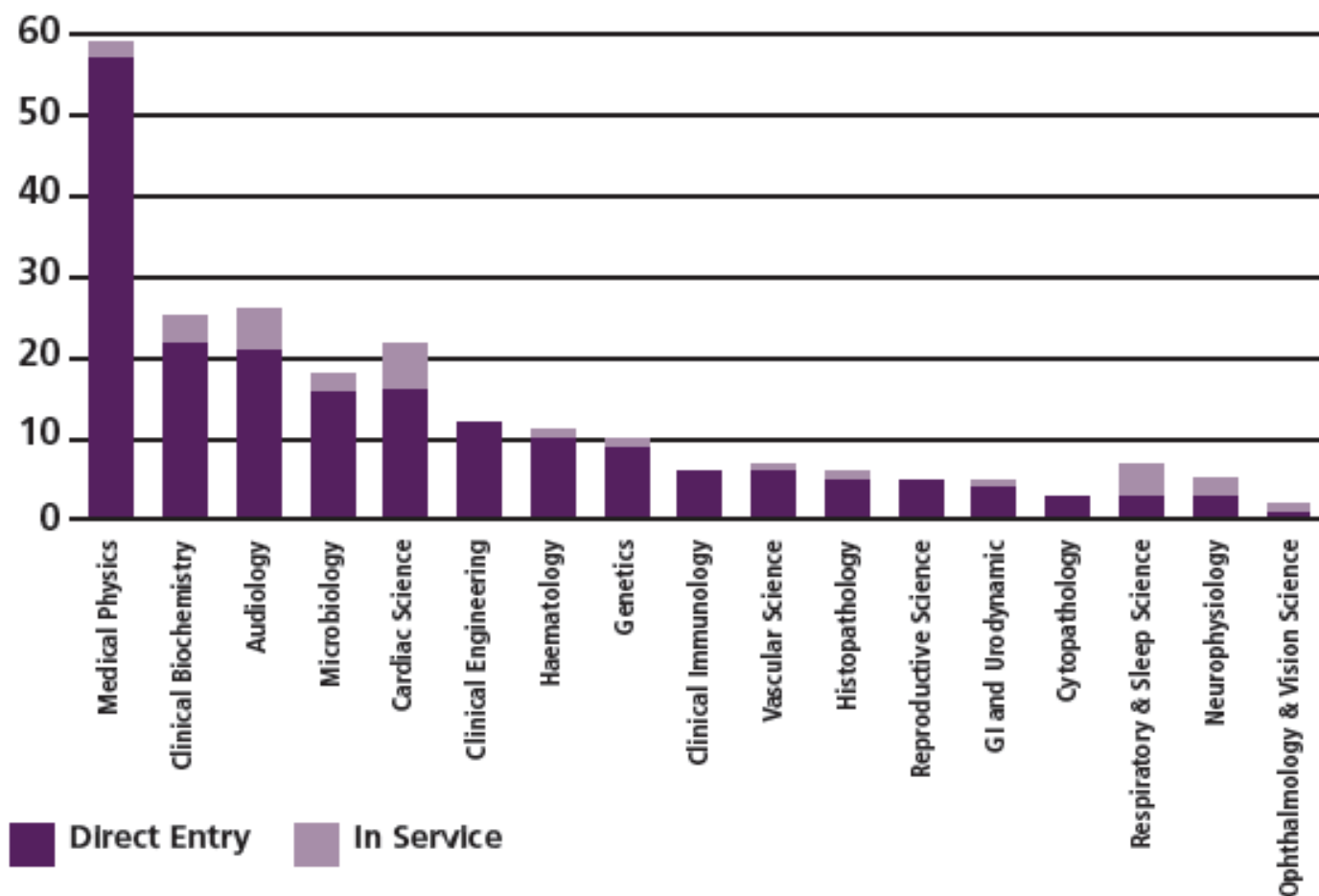
Scientist Training Programme

- Development started in 2008-9 with intention of producing registered Healthcare Scientist.
- Initial recruitment in 2010-11 registration still unclear but endpoint is registration as **Clinical Scientist**
- Process now managed in England by *National School of Healthcare Science*.
- **Direct Entry funding** 100% salary costs 3 years plus approx. £2kpa Training allowance + course fees.
- In service Trainees, support by LETB **variable**
- 3 year combined academic / workplace programme.
- School does not look at equivalence / accreditation of prior experience (Academy does / will?).

Scientist Training Programme

- Wales, occasional student by exception using England STP e.g. Genetics, (2014 3 Biochemistry)
- Northern Ireland: supporting where possible post Graduate Training in province and where specialisms are non-viable have supported some students on English STP at English Training sites i.e. expansion in Medical Physics
- Scotland support of Generic Post-Graduate Training Programmes, occasional cross-border STP by exception.

Number of Trainees per Specialism



Specific Discipline Commissions

NB 2009 pre STP	<u>2009</u>	2011	2012	2013	2014
Clinical Biochemistry	37	26	25	21	21
Haematology/BT (NHSBT)	6 (0)	6 (1)	11 (0)	8 (1)	3 (2)
Microbiology	7	8	16	7	7
Clinical Immunology	9	8	6	4	5
Histopathology	0	2	6	2	1
Cytopathology	0	0	3	0	1
Histo & Immuno	10	0	0	3	1
Genetics (Genomics /Health Informatics)	21	5	7	17	16 (15)
Reproductive Science	3	7	5	12	4

STP Blood Sciences Y1

- NSHCS Blood and Infection Board
- Year 1: 3 month Rotation, Chemistry, Immunology, Genetics, Haematology and Transfusion.
- Academic period at Manchester 6 weeks, annual leave 5 weeks, 4 rotations of 10 weeks
- Haematology, Transfusion, Coagulation Transfusion gets realistically 3-4 weeks maximum.
- Comments re Haematology and Transfusion have put too many competencies in year 1.
- Chemistry claim can meet all Transfusion competencies in 2 day NHSBT course.

Biomedical Scientist Masters

- 30 UK + 3 non-UK offer an IBMS accredited MSc
- 21 offer award in Biomedical Science(s)
- 10 Haematology and or Transfusion
 - 6 distance/flexible learning
 - 5 linked to IBMS specialist portfolio
- Professional IBMS or BBTS qualifications, may get support from LETB
- LETB in England, provide support as part of LBR (Learning Beyond Registration)

Clinical Scientist Registration

- 3 routes available
- 1. STP and Certificate of Completion to HCPC (3 years), accreditation of prior experience has been discussed but nothing in place.
- 2. 6 year route, of previous ACS, 3 years can be offset by Prior knowledge and experience.
- 3. Equivalence application to Academy of Healthcare Science
- Wales and Scotland have funded the application fees of a small number of potential candidates for equivalence.

HSST

- Higher Specialist Scientific Training Programme
- Agreed criteria with AHCS + RCPATH since mid-2012
- 5 year full time programme
- Funding was being suggested as 50% from LETB remainder from employer?
- Funding agreed as £13kpa + £3k course Fees, (not applicable in Life Science as Doctorate not required)
- Entry restricted to Registered Clinical Scientist
- To meet requirements of proposed Voluntary *“Higher Specialist Scientific Register”* to be set up by AHCS subject to future public consultation.

Specific Discipline Commissions

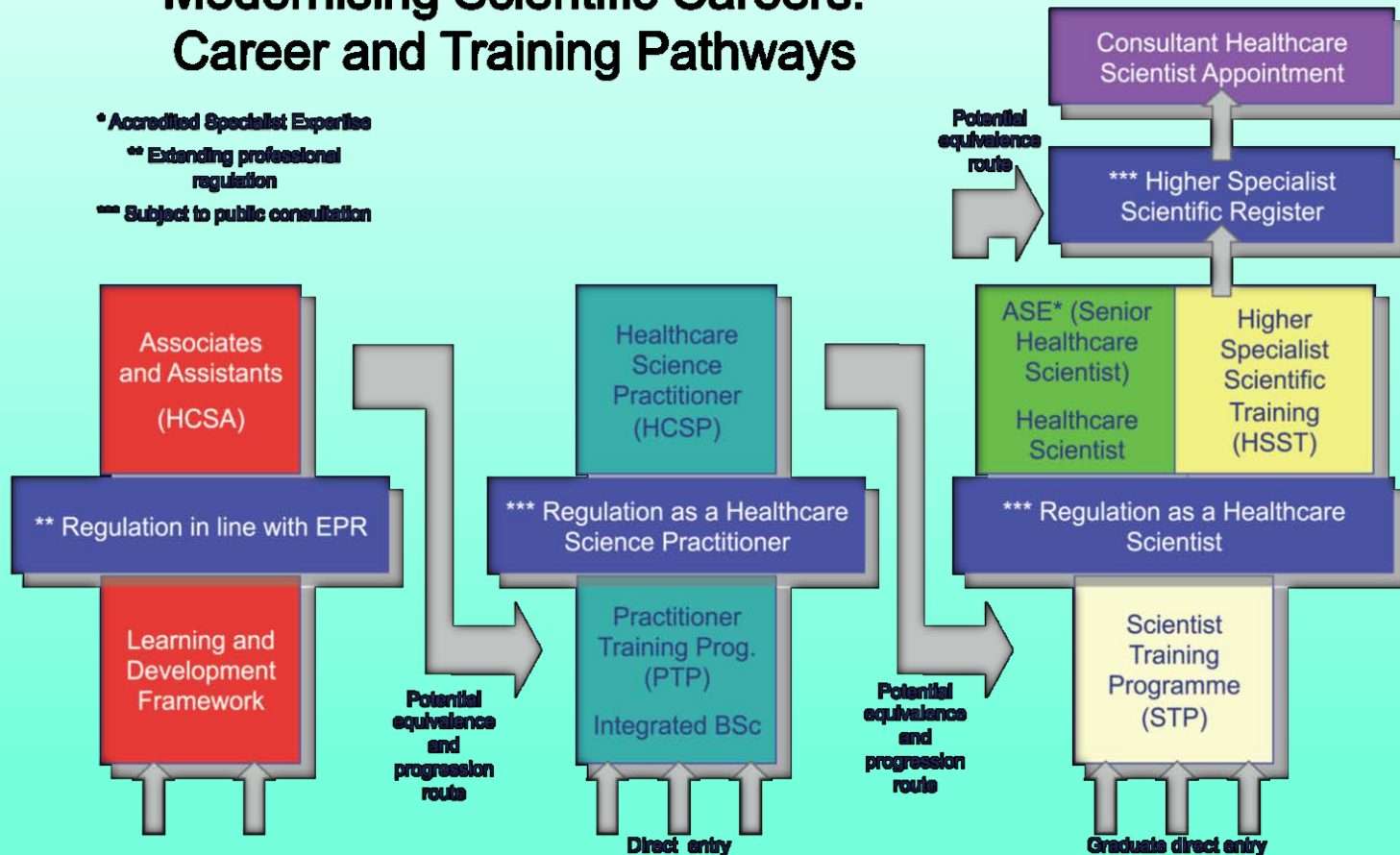
	2014 Advertised Direct Entry	2014 In Service
Clinical Biochemistry	1	3
Haematology/BT (NHSBT)	0	5 (2)
Microbiology (Virology)	0	4 (1)
Clinical Immunology	0	1
Histopathology		1
Cytopathology	0	1
Histo & Immuno	0	4
Genetics (Molecular Pathology)	1 (2)	11 (5)
Reproductive Science	0	1

Modernising Scientific Careers: Career and Training Pathways

* Accredited Specialist Experience

** Extending professional
regulation

*** Subject to public consultation



Conclusions

- HCPC standards are the professional benchmark
- Regulation is as a Biomedical or Clinical Scientist
- PTP programmes and ABMS programmes coexist
- STP is not intended to be the only route to post graduate trained staff
- Funding is available but 4 country routes are different
- There should be no restriction on BMS staff having access to post Graduate Training
- Clinical Scientist Registration route by equivalence is now available, first BT BMS staff have been successful.
- HSST is FRCPath by another name