

NTN Grid - Programme Information

Paediatric Oncology 2019

Please find below programme information for the above sub-specialty for training programmes starting in September 2019.

Page 2 contains a list of all submitted programmes of training; the job descriptions for each post follow on.

Each subspecialty grid programme covers the RCPCH curriculum as specified on the RCPCH.

Please note: Programme submissions can be withdrawn or amended at any point until an offer of employment has been made to an applicant.

Application Process

Applications for the NTN Grid open from 12 noon Friday 7 September 2018 and close at 12 noon Friday 28 September 2018. Applications can only be accessed during this period from the College website.

For more information on the grid process and to access the Grid Applicants Guide please visit: <http://www.rcpch.ac.uk/ntngrid>

Contact Details

For specific sub-specialty information, please contact:

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(Sub-specialty Recruitment Coordinator)

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Programme Description

Maximum Number of National Training Grid Appointments that may be made in 2019 for Paediatric Oncology	TBC
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Deanery	Programme of Training	Places available	Duration (Years)	Page
East Midlands	Nottingham University Hospitals NHS Trust Birmingham Children's Hospital	1	3	2
East of England	Cambridge University Hospitals NHS Foundation Trust The Royal Marsden NHS Foundation Trust, London	2	2	7
London	University College Hospital (UCH) Great Ormond Street Hospital (GOSH)	3	2-3	12
Northern	Great North Children's Hospital	2	2	23
Severn	Bristol Children's Hospital	1	2-3	28
Wales	Dept Child Health, University Hospital of Wales Bristol Royal Hospital for Children	1	2	32
Wessex	Southampton Children's Hospital	1	2-3	36
Yorkshire and Humber	Sheffield Children's Hospital NHSFT	1	2-3	39

East Midlands

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Nottingham University Hospitals NHS Trust	Oncology and malignant haematology	24	Sophie Wilne Sophie.wilne@nuh.nhs.uk	C	Y
Birmingham Children's Hospital	BMT, haematology	12	Francis Mussai francis.mussai@nhs.net	C	Y

Additional Information

This post will be split between Nottingham and Birmingham Children's Hospitals. The trainee will spend a total of 24 months in Nottingham and will rotate to Birmingham for a further 12 months of training.

Programme Description

Sub-specialty:	Paediatric Oncology
Base Unit:	Nottingham Children's Hospital
Deaneries involved:	East Midlands Healthcare Workforce Deanery and West Midlands Deanery

Outline of Programme

This post is available for three years. Training will be provided at Nottingham University Hospitals NHS Trust in general paediatric oncology, paediatric neuro-oncology, haematology for oncologists, TYA oncology, neuro-rehabilitation, late effects and clinical trials. Training in paediatric bone marrow transplantation and early phase clinical trials and non-malignant haematology will be provided by Birmingham Children's Hospital.

Departmental Information

- Demographics

Nottingham treats 120 new patients with malignant disease a year in a new purpose built unit with 5 TYA beds, 10 children's bed, 3 day-care beds and access to 15 neurosciences beds.

- Team

The trainee will work alongside 3 middle grade doctors and seven consultants (6 WTE) (3 haematology, 3 oncology). There are two clinical nurse specialists, three oncology pharmacists, and three paediatric oncology outreach nurses. The team works closely with psychology, physiotherapy, occupational therapy, speech and language therapy, community paediatric nurses and other medical specialities.

- Supervisor(s)

Dr S H Wilne

Clinical Training Responsibilities

Trainees will spend a total of twenty four months at Nottingham where they will gain experience in oncology inpatient and day care (including neuro-oncology), neuro-rehabilitation, clinical trials, late effects and malignant haematology. twelve months will then be spent in Birmingham to provide experience in bone marrow transplantation, non-malignant haematology and early phase clinical trials. Supervision in Nottingham includes twice weekly consultant-led ward rounds; solid tumour, neuro-oncology, haematology, psychosocial, neuro-rehabilitation and TYA MDTs; an 'attending consultant' system for in-patient care and new patient referrals; and a weekly supervised chemotherapy prescribing session. Attendance at outpatient clinics is expected.

Workload / Rota Arrangements / Example Timetable

The trainee will participate in the general paediatric on call rota (and therefore meet the RCPCH requirements for paediatric training). The rota is new deal and EWTD compliant.

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

All trainees will undertake audit and contribute to the departmental academic programme. There will be a consultant led teaching program in line with the current CSAC syllabus. Formal teaching programmes include department meetings (includes research presentations, protocol meetings and audit), site specific MDTs, general paediatric grand rounds and generic paediatric middle grade teaching.

Further training opportunities

Opportunities exist for participation in both clinical and laboratory research and candidates will be supported in applying for an "out of programme" higher degree should they wish to do so.

Any further information

The paediatric oncology departments in Nottingham University NHS Trust and the University Hospitals of Leicester NHS Trust work together to provide the East Midlands Childrens and Young Persons Integrated Cancer Service (EMCYPICS). All potential oncology patients undergo diagnostic procedures at Nottingham however those living in the vicinity of leicester are then transferred back to Leicester for their ongoing care.

Programme Description

Contact details for unit

Dr Sophie Wilne, Consultant Paediatric Oncologist, 0115 9249924 ext 6172

Programme Description

Subspecialty:	Paediatric Haematology-Oncology
Base Unit:	Birmingham Children's Hospital
Deaneries involved:	West Midlands

Outline of Programme

This post offers comprehensive training in paediatric haematology-oncology and stem cell transplant. We aspire to develop the next generation of leading clinical and academic paediatric oncologists. We are the largest haematology-oncology-BMT unit in the UK and trainees will learn to investigate and manage a wide range of common and rare conditions. The appointees will be expected to rotate through inpatient and outpatient malignant and benign haematology, and stem cell transplant.

Although busy, we provide a supportive, multi-disciplinary approach to our GRID training programme, to ensure trainees meet their full curricula requirements. Trainees are mentored by a Consultant Educational Supervisor and a formal development plan is devised with the trainee recognising any specific areas of career interest. Doctors receive 360 Feedback each week. A formal departmental teaching programme takes place on a weekly basis, and a number of further subspecialty research, morbidity and mortality, and speciality forums are scheduled throughout the year. Trainees are supervised in the electronic prescribing of chemotherapy and trained in the administration of intrathecal chemotherapy, and diagnostic bone marrow aspirates/ trephines. Specific experience will also be offered in late effects and palliative care. The appointee will be encouraged to participate in the training of other staff as they gain in experience. Trainees are expected to complete an annual audit and participate in research, postgraduate studies, and publication where possible.

Departmental Information

Demographics

The Paediatric Haematology-Oncology department is composed of a brand new 30 bed ward including a dedicated Stem Cell Transplant Unit and Teenage Cancer Unit. We see over 220 children a year. The wider hospital contains 14 other wards with 34 specialities and supporting departments, a total of 354 beds, a 31 bedded Paediatric Intensive Care Unit and modern emergency and radiology departments. Our patients also benefit from close links with the adult services at the Queen Elizabeth Hospital, the Royal Orthopaedic Hospital and research at the University of Birmingham.

In conjunction with the Haematology department we deliver care for children with a wide range of common and rare solid tumours, CNS tumours, leukaemias and non-malignant haematological conditions including haemoglobinopathies and bleeding disorders, and Bone Marrow Transplant (BMT). We are a national referral centre for Liver Cancers, Retinoblastoma and Bone Tumours and the Cancer Research Clinical Trials Unit is located at the University.

Team

In the Oncology Department there are 5 NHS consultants: Prof Bruce Morland, Dr Martin English, Dr Dave Hobin and Dr Helen Jenkinson, D Jenny Adamski. In addition there are 3 Academic honorary consultants: Prof Andrew Peet, Prof Pamela Kearns and Dr Francis Mussai (Senior Lecturer) with active research programmes at the University of Birmingham. There are 6 consultant haematologists, Drs Alice Norton, Mike Williams, Sarah Lawson, Mark Velangi, Jonathan Lancashire and Jayashree Motwani.

Dr Dan Ford is a consultant Clinical Oncologist from the University Hospitals Birmingham NHS Trust with sessions at the Children's Hospital, sessions at the Queen Elizabeth Hospital dedicated to paediatric services. Dr Andy Toogood is a Consultant Endocrinologist at the University Hospitals Birmingham NHS Trust and has one session per week with adult survivors of childhood cancer and adolescents in the transitional clinic.

Programme Description

In addition to the National Grid posts there are SpR posts in Paediatric Oncology, which are filled by doctors on the West Midlands SpR rotation and by a growing international Fellowship programme. These Fellows provide a unique opportunity to work alongside and learn from doctors working with alternative medical systems in their home countries. There are additional SpRs in adult Haematology, rotating through the Children's Hospital. There are three level 1 StRs in haematology / oncology.

Clinical Training Responsibilities

The trainee will be well exposed to the full range of patients and conditions, to train a leading paediatric oncologist. Successful progress through the training programme will be assessed by the educational supervisor and benchmarked against the specialty curriculum. In addition, the trainee will attend an annual review of training coordinated by the relevant specialist training committee for paediatric oncology

Any further information

Further information on our department may be found at: <http://www.bch.nhs.uk/oncology-professionals>

Contact details for unit

Dr Francis Mussai - Education Lead in Paediatric Oncology, Clinical Senior Lecturer and Honorary Consultant Oncologist. francis.mussai@nhs.net 0121 333 8411

East of England

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Cambridge University Hospitals NHS Foundation Trust	Paediatric Oncology	18	Dr Amos Burke amos.burke@addenbrooke.s.nhs.uk	C	Y
The Royal Marsden NHS Foundation Trust, London	BMT	6	Dr Sucheta Vaidya, Sucheta.vaidya@lcr.ac.uk	C	Y

Additional Information

This 2 year programme starts at Addenbrooke's hospital and then rotates to London.

Programme Description

Sub-specialty:	Paediatric Oncology
Base Unit:	Addenbrooke's, Cambridge
Deaneries involved:	Eastern and North Central and East London/ South London

Outline of Programme

This is a 2 year training post based in Paediatric Haematology, Oncology and Palliative Care Department at Addenbrookes Hospital for 18 months and in one of the London Paediatric Oncology Centres (The Royal Marsden Hospital or Great Ormond Street Hospital) 6 months. Addenbrookes offers subspecialist training in all areas of paediatric oncology, except bone marrow transplantation, which will be gained in the London placement.

Departmental Information

- Demographics

The Primary Treatment Centre at Addenbrookes is one of the largest outside of London. Patients are referred from throughout East of England.

All facilities and services provided for the patients are available on site, including intensive care, radiotherapy, surgery, neurosurgery, endocrinology and cardiology. Palliative care services are further strength of the department. The PTC is an accredited Early Phase centre and part of the Paediatric Experimental Cancer Medicine Centres (ECMC) Network. A Teenage Cancer Trust Teenage and Young Adult Unit provides care for -14-24 year olds. Cambridge and Institute of Cancer Research is a CRUK Children's Brain Tumour Centre of Excellence. Cambridge is home to the pioneering neuro-rehab service Brainbow <https://www.cuh.nhs.uk/addenbrookes-hospital/services/brainbow>.

There are approximately 140 new oncology referrals per year from the region and an increasing number of referrals for non-malignant haematology. There are opportunities for the SpRs to gain experience in all aspects of the management of these patients.

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- Team

Staffing: 4.5 WTE consultants (Oncology; increasing to 5.0 WTE from April 2019), 3 WTE (Haematology) 0.5 WTE

Consultant in Paediatric Palliative Care, 1 WTE Associate Specialist, 1 WTE Specialty Doctor, 3 ST4-8/GRID, 2 ST2/3,

- Supervisor(s)

Drs, Nicholson, Burke, Visser, Murray

Clinical Training Responsibilities

- Day to day responsibility for the care of inpatients or outpatients/day unit, shared with other SpR's; rotating between ward and day-unit, with cross-cover. SpRs on day unit alternate between lead roles for neuro-oncology patients and for haematology in addition to general responsibilities
- Twice-weekly consultant-led ward rounds
- Participation in treatment and follow-up clinics, including specialist neuro-oncology and joint clinic with endocrinologists
- Practical training and experience in bone marrow aspiration, trephine biopsy, lumbar puncture with administration of intrathecal chemotherapy, safe accessing of central venous devices and safe prescription, administration and handling of chemotherapy
- Attendance at weekly MDT meetings including Haematology, radiotherapy and psychosocial meetings, solid tumour and neuro-oncology diagnostic MDT meetings.
- Participation in the weekly paediatric departmental clinical meeting, weekly oncology teaching programme and any regional Paediatric Oncology training days.

Workload / Rota Arrangements / Example Timetable

Full shift - currently 1 in 18 with prospective cover

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

Programme Description

- SpRs are expected to take part in clinical audit
- Participation in clinical research is strongly encouraged.
- Involvement in management meetings/training
- Teaching commitments include nurses, SHOs and medical students

Programme Description

Further training opportunities

The department is very strong in clinical research governance and is active in clinical research. There are strong links with the academic departments carrying out laboratory research on the Addenbrookes site and elsewhere within the University of Cambridge through the Paediatric Cancer Theme of the Cambridge Cancer

Centre.<http://www.cambridgecancercentre.org.uk/research/programmes/paediatric-cancer>

Any further information

Wide experience can be gained in all aspects of patient management including palliative care, facilitated by the presence of

all related specialties on the Addenbrooke's site

- Excellent experience in the workings of shared care, based on robust relationships and working patterns between Addenbrooke's and Shared Care Units.

Contact details for unit

Department of Paediatric Haematology, Oncology and Palliative Care | Box number 181, Cambridge University Hospitals NHS Foundation Trust | Addenbrooke's Hospital Cambridge Biomedical Campus | Hills Road | Cambridge | CB2 0QQ

Programme Description

Sub-specialty:	Paediatric Oncology
Base Unit:	The Royal Marsden NHS Foundation Trust
Deaneries involved:	London

Outline of Programme

One year post in paediatric oncology based at The Royal Marsden NHS Foundation Trust (RMH). Designed to complement the training experience and rotate with Great Ormond Street Hospital or other London PTC. Also suitable for trainees undertaking most of their training at other centres outside London and who wish to complete training in a specific area (e.g. Stem cell transplantation). Designed for trainees wishing to become tertiary paediatric oncologists. RMH is a joint Primary treatment centre with St. George's hospital (SGH). College Tutor: Dr Sucheta Vaidya

Departmental Information

- Demographics

The unit is staffed with 7 paediatric consultants (5 FTE; 2 RMH/SGH), 2 paediatric haematologists (RMH/SGH), 2 haematologists in stem cell transplant (adult/paed), 1 consultant in palliative care (RMH/Chase Hospice), 2 paediatric clinical oncologists, 3 paediatric surgeons (SGH), 1 paediatric endocrinologist (RMH/SGH) and a psychiatrist (parttime).

There are 3 ST6-8, 2 ST3,3 clinical fellow posts who participate in the 1 in 8 rota. In addition there are 3 speciality doctor posts and 1 senior fellow in bone marrow transplantation. The trainees and fellows rotate between the ward, daycare and St Georges Hospital. The national grid trainee may rotate to SGH for clinical experience and to cover periods of annual leave. The department is closely associated with the Paediatric Section of the Institute of Cancer Research.

- Team

- Supervisor(s)

Supervisors:

Dr Ayad Atra ; Dr Julia Chisholm; Dr Donna Lancaster; Dr Lynley Marshall; Dr Mary Taj; Dr Sucheta Vaidya; Dr Fernando Carceller; Dr Elsje Van Rijswijk

Clinical Training Responsibilities

The post holder will be exposed to the distinct working areas:

In-patient haemato-oncology (including SCT); Day-care and shared-care; Outpatients clinics; Neuro-oncology and palliative care; PICU experience (SGH only); Phase I and II and III clinical trial experience. The weekly programme for specialist registrars includes:

Full shift resident rota covering paediatric oncology, including BMT patients (RMH site only); Two consultant led ward rounds; Leukaemia, Solid tumour & Neuro-oncology MDT meetings; Monthly Late Effects MDT meeting; Weekly teaching programme (2 sessions/wk); Regular journal club; Seminars (including invited speakers, meeting update, audit and research reports)

Workload / Rota Arrangements / Example Timetable

RMH is a modern unit, in the setting of specialist cancer hospital, comprising of a 18-bed paediatric inpatient ward, 13 bed TYA unit (9 open beds at present) and day unit and outpatient department, serving the south east of England. The unit is located in Sutton and is one of the 2 joint Primary treatment Centres (PTC) in London. In addition there are 4 paediatric oncology beds at SGH. There are approximately 220 new cases per year and an active haematopoietic stem cell transplant programme. There are 24 outpatient clinics per week covering haemato-oncology, solid tumours, neuro-oncology, stem cell transplantation (SCT), pain/symptom management and late effects. Close working relationship with departments at SGH (particularly Paediatric Surgery, PICU and Infectious Diseases).

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

The SpR will be encouraged to:

Programme Description

1. Take part in the unit's research activities, focusing on multi-centre collaborative chemotherapy and radiotherapy trials.
 2. Complete at least one audit project under consultant supervision.
- Excellent office and library facilities are provided including library and the facilities of the Institute of Cancer Research.

Further training opportunities

Programme Description Particular Training Opportunities:

- Participation in multidisciplinary care, including palliative care, in an environment with an exceptionally progressive approach to cancer nursing
- Experience of SCT within a multifunctional paediatric oncology ward
- Playing a key role in a particular style of shared care with local hospitals and community services in Greater London and the South East
- Outstanding Hospital Information System and clinical research database
- Opportunity to work in an academic environment with experienced research nurses and to learn the discipline of clinical trials in oncology
- Opportunities to attend basic science seminars at the affiliated Institute of Cancer Research.

Contact details for unit

Dr Sucheta Vaidya- College Tutor- 02086613635, Sucheta.vaidya@icr.ac.uk

London

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
University College Hospital (UCH)/GOSH	Oncology	24-36	Dr Sara Stoneham sara.stoneham@uclh.nhs.uk	C	Y
Great Ormond Street Hospital (GOSH)	Oncology	24-36	Dr Mette Jorgensen Mette.Jorgensen@gosh.nhs.uk	C	Y
Great Ormond Street Hospital (GOSH)	Oncology	24-36	Dr Mette Jorgensen Mette.Jorgensen@gosh.nhs.uk		

Additional Information

Rotations to start at University College Hospital or GOSH for one year and then rotate to other centres. Programmes usually 24 months in duration but if trainees are appointed at ST6, will be for 36 months. Trainees may rotate to Royal Marsden for the 3rd year. Job descriptions for all units available.

Programme Description

Sub-specialty:	Haematology/Oncology
Base Unit:	Great Ormond Street Hospital
Deaneries involved:	HENWL

Outline of Programme

Great Ormond Street Hospital (GOSH) is the largest department of Haematology and Oncology in the UK. The service treats approximately 450 patients each year, accounting for about 28 per cent of national childhood cancer cases. As the Haem/Onc department at GOSH accepts newly diagnosed children under the age of 13 years, the grid trainee will have unparalleled experience in the treatment of young children with cancer. All children with a malignancy diagnosed under one year of age in the South East area are admitted to GOSH giving the trainee in depth experience of cancer in the very young. The training at GOSH will complement training in one of the other Paediatric Oncology centres in London (either the Royal Marsden or UCLH) to gain experience of managing young adults and also patients with bone tumours. This one or possibly two year post in Haematology/Oncology provides subspecialty training in malignant haematology, BMT and oncology in both in-patient and day care setting.

The Haematology department, with over 100 new patients per year, specialises in patients with acute leukaemia, Non-Hodgkin's lymphoma, HLH, bone marrow failure syndromes and myelodysplasia. There is a separate team overseeing the care of patients with coagulation disorders and haematology trainees rotates through the unit offering an excellent support for managing and understanding the management of coagulation disorders.

The Oncology department has the largest unit for children with tumours of the brain and spine (110 new patients a year and approximately 100 second opinions through the Neuro-oncology MDT). GOSH treats all types of childhood solid tumours (112 new patients a year) with the exception of osteosarcoma and Hodgkin's lymphoma. The unit offers immunotherapy and CAR-T cell therapy for neuroblastoma patients and the trainees will be involved in caring for these patients on the ward. All new patients and second opinions are discussed in MDTs that the trainees will attend and present cases at.

GOSH has the largest Bone Marrow Transplant (BMT) service in Europe with allogeneic transplants for both malignant and non malignant conditions. The unit provides a comprehensive haematopoietic stem cell transplant service for children with life-threatening conditions, and carries out around 90 transplant procedures each year.

The trainee will gain experience in outpatient care of patients particularly ALL, Wilms Tumour and CNS tumours treated in this setting. We have a daycare unit with 20 beds supporting BMT, haematology and oncology and will provide training and experience in chemotherapy prescribing and procedures (ITs, BMA, trephines) with 4 procedure lists/week.

The trainee will rotate through four clinical areas in the department: in-patient haematology, in-patient oncology, daycare (including out-patient clinics), and the bone marrow transplant unit spending.

In addition there are clinics for neuro-oncology, solid tumours, haematology, BMT, retinoblastoma, complex wilms tumour and late effects

We have developed and deliver an intense induction programme running over the first 3 weeks that embeds the trainees into the specialty with a particular focus on oncological and haematological emergencies. There will be individual training in a number of areas, including chemotherapy prescribing, administration of intrathecal and peripheral chemotherapy, techniques of bone marrow aspiration and trephine and taking informed consent. Each trainee will be allocated an educational supervisor during the induction week. The supervisor will discuss the trainees plans for their ongoing development and tailor a programme around their aspirations - the trainee will also be encouraged to undertake an audit or research project. There is an active programme of clinical and translational research and the unit has a strong track record in successful clinical research fellowships. There are

Programme Description

an Early phase clinical trials unit supported by research fellows. The trainees have access to a well developed programme of teaching and training, and the trainees are encouraged to facilitate teaching of the more junior trainees to support their own learning. Specific teaching and training programmes are in development for CNS tumours for trainees with a special interest allowing flexibility and choice for the trainees education.

Induction Programme Example - 3 week Teaching Programme

Week 1:

Monday - Trust Induction

Tuesday - Trust Induction

Wednesday - Local Departmental Induction

Sessions include:

- Consultant & Educational Leads welcome
- Overview of Service - Service and Pathway lead
- Meet key pathway assistants- administrative support
- Ward Sister introduction to the wards
- Haem/Onc Pharmacy Service Introduction
- Discharge summaries & ward processes
- NP/CNS roles and introductions
- Rota, Annual leave, study leave, sickness rules etc
- Time to complete e-learning for clinical system access

(Following two weeks of placement)

Each morning 09:00 - 09:30 am

Sessions:

Consent and fitting for procedures

Supportive care guidelines and Febrile Neutropenia

Tumour lysis syndrome & Leukostasis

Consenting for Interventional Radiology Procedures

Fitting for chemotherapy Inc. complications

Anti-emetics & supportive care prescribing for chemo

Mediastinal mass & HD-MTX

Brief intro to BMT /pitfalls out of hours

TBlood Tx requirements/complications

Management of immunotherapy patients

Oncology emergencies - spinal cord compression, renal obstruction

Introduction to Reflective Practice

Departmental Information

- Demographics

- Team

Oncology:

Neuro-oncology - 110 new patients per annum:

Integrated service with neurosurgery and intensive care on site. Holistic input with an up-front triage of neuropsychological needs.

The unit runs a neuro-oncology specific training module encompassing experience in neuro radiology , neurosurgery, neurology,neuroendocrinology, oncology, and neuropsychology - all on site. There is an active new drug development programme run by Professor Hargrave and the international study for standard risk medulloblastoma is coordinated for the UK from this site by Dr Michalski.

Solid tumour oncology 112 new patients per annum:

Programme Description

Professor John Anderson heads a research group in immunotherapy of solid tumours in the Institute of Child Health.

Professor Darren Hargrave leads on new drug development and implementation of Phase I/II trials across both Haematology and Oncology.

Dr Catriona Duncan is regional lead for retinoblastoma which is a national service. Intra-arterial chemotherapy is provided at GOSH.

There are seven Oncology consultants organised into two teams, Team A (Professor Hargrave, Dr Michalski, Dr Slater, Dr Jorgensen, Dr Dahl) concentrating on children with CNS tumours, sarcoma and germ cell tumours and Team B (Professor Anderson, Dr Barone, Dr Chowdhury and Dr Duncan) covering Wilms' tumour, Neuroblastoma, Liver tumours and Retinoblastoma with each consultant leading in a particular tumour. There is a specialty doctor supporting the in-patient service.

Haematology programme:

There is a strong Haematology team looking after children with leukaemia, lymphoma, bone marrow failure and histiocytic disorders composed of Dr Phil Ancliff, Professor Ajay Vora, Dr Anu Rao, Dr Sujith Samarasinghe, Dr David O'Connor, Dr Sara Ghorasian, Dr Vesna Pavasovic (lead for late effect) and Dr Keith Sibson with each consultant having their own area of expertise. There is also an Associate Specialist in Haematology who leads on training and supervises the trainees rotating through the Haematology in-patient service.

- Supervisor(s)

Dr Antony Michalski, Dr Olga Slater, Dr Tanzina Chowdhury, Professor Darren Hargrave, Dr Giuseppe Barone, Professor John Anderson, Dr Phil Ancliff, Dr Anu Rao, Dr Sujith Samarasinghe, Dr Catriona Duncan and Dr Mette Jorgensen, Professor Ajay Vora, Dr Vesna Pavasovic and Dr David O'Connor.

Clinical Training Responsibilities

The model of training is a mix of self directed choice of educational opportunities combined with in service teaching and training. Whilst on the in-patient wards, the trainee will have day to day responsibility for the care of patients on the wards under the supervision of the Associate specialist in Haematology and the Specialty doctor in Oncology together with the attending consultants for Haematology and Oncology (no consultant cross cover). There is a consultant of the week system that ensures that there is consultant presence both in haematology and oncology and supports the wards from 0830-1900 weekdays and for a period of minimum 5 hours each day at the weekend. The consultants facilitate both service and training commitments in the context of a busy tertiary unit.

Whilst on the in-patient service, there are twice-weekly consultant-led ward rounds in both Haematology and Oncology. The presence of consultants on the wards means there are many opportunities for patient centred teaching and training. The specialty works closely with multiple specialties within the hospital, most of which attend our MDT and offers an excellent opportunity for learning.

Training and supervision will be given in all aspects of the work and can be directed by the trainee. This will include the diagnostic work-up of new patients including the presentation of cases for discussion in the relevant MDT. The trainee will have in depth experience of the management of children undergoing intensive chemotherapy including marrow ablative therapy with autologous and allogeneic stem cell rescue.

Responsibility for an out-patient clinic under consultant supervision during the daycare or oncology part of the rotation. Many trainees find this the most rewarding aspect of their training - the ability to follow a child and their family through the patient journey while making decisions as to their ongoing chemotherapy and adjuvant care.

The trainees will learn the principles of good liaison and communication with staff at hospitals offering Paediatric Oncology shared care. There is now a computerised template for clerking which

Programme Description

generates the majority of discharge letters. Learning how to write good letters is an important skill and there will be regular discussions as part of educational supervision.

In terms of the practical aspects of care, there will be training and supervision in bone marrow aspiration, trephine biopsy, lumbar puncture with administration of intrathecal chemotherapy, administration and handling of chemotherapy and safe accessing of central venous devices. We have an excellent pharmacy service supporting the unit and training.

The trainees will have protected time to attend and actively participate in departmental seminars, MDT's (Oncology, Neuro-Oncology, Haematology, BMT), haematology morphology meetings and specific teaching sessions (Wednesday afternoon is protected teaching time with additional teaching on a Friday afternoon). Informal/bedside teaching will happen daily as the opportunity arises.

Workload / Rota Arrangements / Example Timetable

These are busy posts in the largest Haematology/Oncology department in the UK with nearly 300 new referrals per year. As such our trainees benefit from seeing a huge spectrum of pathology within the context of a comprehensive children's hospital.

The department has recently undertaken an overhaul of the educational support offered as well as how it delivers the Oncology Grid curriculum to trainees. With this in mind, the trust has appointed 4 new consultants to the department of Haematology/Oncology which means that there is now consultant cover in both Haematology and Oncology from 08h30 until 19h00 daily Monday to Friday, and consultants in both these specialties do ward rounds each day at the weekend. Consultants expect to be called out of hours and to come in should this be necessary.

The rota is a 17 week cycle for nights (Max of 14 nights) broken up into blocks of 3 and 4, with respective rest days allocated, and 1:6 rotation for long day and weekends and long days (08.30 - 21.00). The 16 days of annual leave entitlement/six months are to be requested shortly within starting the job and will be allocated as considered as possible. Night shifts are undertaken as part of a 4 member medical team supported by a Site Nurse Practitioner and includes a 2nd registrar covering international patients and sharing the care of the patients overnight covering either BMT/immunology or haem/onc. The PICU provides a PICU Outreach Registrar in event of a child deteriorating acutely and needing intensive care review.

The Grid trainee will rotate between the four different clinical areas i.e. three months in each area but there will be time out of each rotation either for nights or annual leave.

Working pattern for trainees and fellows

Rota Basics	
Rota Name	Haem/Onc SpR
Speciality	Haematology/Oncology
Number of slots on rota	11 Haem/Onc and 6 Imm/ID

Programme Description

Rota Template						
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
0830-2100	0830-1730	0830-1730	0830-2100	0830-1730		
0830-2100	0830-1730	0830-2100	0830-1730		0830-2100	0830-2100
0830-1730		0830-1730	0830-2100	0830-1730		
0830-1730	0830-2100	0830-1730	0830-1730	0830-1730		
0830-1730	0830-1730	0830-2100	0830-1730	0830-1730		
0830-2100	0830-1730	0830-1730		0830-2100	0830-2100	0830-2100
0830-1730	0830-1730		0830-1730	0830-1730		
0830-1730	0830-1730	0830-2100	0830-1730	0830-1730		
0830-2100	0830-1730	0830-1730	0830-1730	0830-1730		
0830-1730	0830-2100	0830-1730	0830-1730			
2000-0900	2000-0900	2000-0900	2000-0900			
				2000-0900	2000-0900	2000-0900
0830-2100	0830-1730	0830-1730		0830-2100	0830-2100	0830-2100
0830-1730	0830-1730		0830-2100	0830-1730		
0830-1730	0830-1730	0830-2100	0830-1730	0830-1730		
0830-1730	0830-1730	0830-2100	0830-1730	0830-1730		
0830-1730	0830-2100	0830-1730	0830-1730	0830-1730		
0830-1730	0830-1730	0830-2100	0830-1730			
2000-0900	2000-0900	2000-0900	2000-0900			
0830-1730	0830-1730	0830-1730		0830-2100	0830-2100	0830-2100
0830-1730			0830-2100	0830-1730		
0830-1730	0830-1730	0830-1730	0830-1730	0830-1730		
0830-1730	0830-1730	0830-1730	0830-2100			
				2000-0900	2000-0900	2000-0900

Please note that the pattern may vary slightly for each slot on the rota

The exact rotation can apply to haematology, BMT and daycare (Safari).

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

The trainee is encouraged to:

- Develop a clinical service guideline, involving closed loop audit
- Hone their skills in teaching and training by organising and teaching sessions for nurses and more junior medical staff
- Undertake a clinical research project
- Make use of the excellent resources of teaching and self directed learning. There is a repository of lectures on the Trust's web and access to other excellent on line webinars and talks. The ICH has good library facilities and the ICH and GOSH physically co-located ensuring ease of access.
- The trainee is expected to complete mandatory training including level 3 safeguarding as per Trust policy

Further training opportunities

- Access to GOSH courses (eg management and leadership training, communication skills, IT training, training as a teacher.)
- Opportunities for understanding paediatric oncology shared care
- Opportunities for learning about paediatric palliative care and symptom control including day release to go on home visits or visit hospices.
- The department has close links to the basic science Molecular Haematology and Cancer Biology Unit in the Institute of Child Health and there are joint cancer theme seminars during the academic terms.

Programme Description

Any further information

This post is suitable for linking to a post at UCLH or RMH in a ST678 training programme. This post is also suitable for linking to a Paed Oncology centre outside London eg Cambridge, Oxford or Southampton.

Contact details for unit

Dr Mette Jorgensen 0207 405 9200 x 7999 or 8832

Programme Description

Sub-specialty:	Paediatric Oncology
Base Unit:	The Royal Marsden NHS Foundation Trust
Deaneries involved:	London

Outline of Programme

One year post in paediatric oncology based at The Royal Marsden NHS Foundation Trust (RMH). Designed to complement the training experience and rotate with Great Ormond Street Hospital or other London PTC. Also suitable for trainees undertaking most of their training at other centres outside London and who wish to complete training in a specific area (e.g. Stem cell transplantation). Designed for trainees wishing to become tertiary paediatric oncologists. RMH is a joint Primary treatment centre with St. George's hospital (SGH).

College Tutor: Dr Sucheta Vaidya

Departmental Information

- Demographics
The unit is staffed with 7 paediatric consultants (5 FTE; 2 RMH/SGH), 2 paediatric haematologists (RMH/SGH), 2 haematologists in stem cell transplant (adult/paed), 1 consultant in palliative care (RMH/Chase Hospice), 2 paediatric clinical oncologists, 3 paediatric surgeons (SGH), 1 paediatric endocrinologist (RMH/SGH) and a psychiatrist (part-time). There are 3 ST6-8, 2 ST3,3 clinical fellow posts who participate in the 1 in 8 rota. In addition there are 3 speciality doctor posts and 1 senior fellow in bone marrow transplantation. The trainees and fellows rotate between the ward, daycare and St Georges Hospital. The national grid trainee may rotate to SGH for clinical experience and to cover periods of annual leave. The department is closely associated with the Paediatric Section of the Institute of Cancer Research.
- Team
- Supervisor(s)
Supervisors:
Dr Ayad Atra ; Dr Julia Chisholm; Dr Donna Lancaster; Dr Lynley Marshall; Dr Mary Taj; Dr Sucheta Vaidya; Dr Fernando Carceller; Dr Elsje Van Rijswijk

Clinical Training Responsibilities

The post holder will be exposed to the distinct working areas:
In-patient haemato-oncology (including SCT); Day-care and shared-care; Outpatients clinics; Neuro-oncology and palliative care; PICU experience (SGH only); Phase I and II and III clinical trial experience

The weekly programme for specialist registrars includes:

Full shift resident rota covering paediatric oncology, including BMT patients (RMH site only); Two consultant led ward rounds; Leukaemia, Solid tumour & Neuro-oncology MDT meetings; Monthly Late Effects MDT meeting; Weekly teaching programme (2 sessions/wk); Regular journal club; Seminars (including invited speakers, meeting update, audit and research reports)

Workload / Rota Arrangements / Example Timetable

RMH is a modern unit, in the setting of specialist cancer hospital, comprising of a 18-bed paediatric inpatient ward, 13 bed TYA unit (9 open beds at present) and day unit and outpatient department, serving the south east of England. The unit is located in Sutton and is one of the 2 joint Primary treatment Centres (PTC) in London. In addition there are 4 paediatric oncology beds at SGH. There are approximately 220 new cases per year and an active haematopoietic stem cell transplant programme. There are 24 outpatient clinics per week covering haemato-oncology, solid tumours, neuro-oncology, stem cell transplantation (SCT), pain/symptom management and late effects. Close working relationship with departments at SGH (particularly Paediatric Surgery, PICU and Infectious Diseases).

Programme Description

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

The SpR will be encouraged to:

1. Take part in the unit's research activities, focusing on multi-centre collaborative chemotherapy and radiotherapy trials.
2. Complete at least one audit project under consultant supervision.

Excellent office and library facilities are provided including library and the facilities of the Institute of Cancer Research.

Further training opportunities

Particular Training Opportunities:

- Participation in multidisciplinary care, including palliative care, in an environment with an exceptionally progressive approach to cancer nursing
- Experience of SCT within a multifunctional paediatric oncology ward
- Playing a key role in a particular style of shared care with local hospitals and community services in Greater London and the South East
- Outstanding Hospital Information System and clinical research database
- Opportunity to work in an academic environment with experienced research nurses and to learn the discipline of clinical trials in oncology
- Opportunities to attend basic science seminars at the affiliated Institute of Cancer Research.

Contact details for unit

Dr Sucheta Vaidya- College Tutor- 02086613635, Sucheta.vaidya@icr.ac.uk

Programme Description

Sub-specialty:	Paediatric and Adolescent Oncology
Base Unit:	University College London
Deaneries involved:	London

Outline of Programme

This one-year post in haematology/oncology will provide subspecialist training in paediatric/adolescent bone tumours and sarcoma, paediatric radiotherapy and radioisotope therapy, adolescent oncology including neurooncology and adolescent haematology and BMT for paediatric oncologists. Trainees must complement training at UCH with training in one or more other paediatric oncology centres in London or elsewhere.

Departmental Information

- Demographics

The Children and Young Peoples Cancer Service (CYPCS) is the largest TYA unit in the UK with a busy clinical department offering high quality clinical care within unique age appropriate settings for inpatient, daycare, ambulatory and outpatient care. UCH is the only site in London to offer experience and training in paediatric and TYA bone tumours. It works in partnership with the Royal National Orthopaedic Hospital as part of the London Sarcoma Service. UCH has the largest paediatric radiotherapy service in the UK and one of only two national sites for the delivery of radio-isotope treatments and brachytherapy.

The TYA service offers comprehensive cancer care for all TYA cancer diagnoses, including adolescent haematology and BMT; adolescent solid tumours and neuro-oncology, and adolescent sarcoma. The service is led by TYA specialists and supported by a comprehensive multidisciplinary team and highly skilled specialist nursing staff.

UCH and GOSH together function as a single primary treatment centre for North London. This arrangement across two sites and trusts facilitates age appropriate care, streamlined transition and allows for safer delivery of NCRI CCL CSG clinical trials.

The CYPCS has close links with the Institute of Child Health, part of UCL, in which there are a number of laboratories working within the cancer "theme".

- Team

Staffing: 4 WTE paediatric oncology consultants, 2 medical oncologists, 2 clinical oncologists, 2 TYA haematologists, 5 ST6-8 posts, 2 International training rotational posts with GOSH (middle grade); 5 ST3 trainees.

- Supervisor(s)

Dr Sara Stoneham/Dr Ananath Shankar/Dr Maria Michelagnol/Dr Stephen Daw

Clinical Training Responsibilities

•6 month rotations through four clinical areas in the department: in-patient haematology ; in-patient sarcoma, in-patient oncology and daycare/ TYA ambulatory care.

- Day to day responsibility for the care of inpatients or outpatients; shared care liaison
- Attendance at consultant delivered and led outpatient clinics
- Twice-weekly consultant-led ward rounds, daily registrar -led ward rounds
- Supervision in learning bone marrow aspiration, trephine biopsy, lumbar puncture with administration of intrathecal chemotherapy, safe accessing of central venous devices and safe prescription, administration and handling of chemotherapy
- Attendance/organisation/presentation at departmental governance meetings including morbidity and mortality meetings, clinical safety meetings, tumour /disease specific multidisciplinary meetings, psychosocial meetings and morphology meetings.

Informal/bedside teaching for junior staff and nursing staff as the opportunity arises.

Attendance/presentation at regional teaching days, seminars, grand rounds.

Workload / Rota Arrangements / Example Timetable

The rota is a 1:10 FTE on call rota with out of hours night and weekend responsibilities. The banding for on call is 1A. The rota is EWTD compliant.

Programme Description

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

The trainee is encouraged to develop a clinical service guideline, involving closed loop audit, and/or lead a quality improvement project

- Teaching nurses and other junior staff as appropriate
- Trainees are encouraged to join in clinical research projects
- Trainees are encouraged to participate in senior management meetings
- Training in Trials “good clinical practice” with attendance at a trials GCP course and certification

Further training opportunities

A broad experience of all aspects of adolescent oncology including:

- A strong emphasis on multi-disciplinary working
- Opportunities for understanding paediatric/adolescent oncology shared care and palliative care
- Clinical research opportunities in sarcoma, neuro-oncology and haematology malignancy
- A unique opportunity to attend paediatric radiotherapy outpatient clinics and transition clinics

Any further information

Excellent IT access in wards and office areas and good library facilities

Contact details for unit

0203 447 9950

Northern

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Great North Children's Hospital	Paediatric Oncology	24	simon.bailey@ncl.ac.uk	C	Y

Programme Description

Subspecialty:	Paediatric Oncology
Base Unit:	Great North Childrens Hospital
Deaneries involved:	Northern

Outline of Programme

This post will be for 2-3 years and will provide a comprehensive and systematic training in both the clinical and research aspects of Paediatric Oncology. Many trainees in this post have been able to take out of programme time to undertake research or to successfully apply for Academic Clinical lectureships. It will qualify the post holder for a Consultant appointment in Paediatric Oncology with a Research interest. This position will be in the Department of Paediatric Oncology within the Children's Directorate of the Newcastle upon Tyne Hospitals NHS Trust.

The post will include responsibility for supervision of children (both in-patient and out-patient) with leukaemia, extracranial and intracranial tumours, those undergoing bone marrow transplantation and adolescents with malignancies.

There is a systematic training programme progressing through focussed periods of training in haematological malignancy, brain tumours, solid tumours and Bone Marrow Transplant.

Throughout the post there will be an expectation the trainee will develop their teaching, administration and research (clinical and non-clinical) skills. It will be an expectation that the trainee will be specifically involved in the recruitment to clinical trials including late and early phase trials. There will be training in the management and set up of clinical trials in paediatric oncology. The Specialist Registrar will gain experience in the clinical management of children with malignancies and haematological disorders specifically concentrating on strategic and policy decisions. All clinical time will be spent in the paediatric oncology department. There is no service commitment outwith the department. This experience will include management of children and adolescents:-

- with leukaemia / lymphoma
- with extracranial solid tumours
- with central nervous system tumours
- with non-malignant haematological conditions
- undergoing bone marrow transplantation including transplantation from related and unrelated donors; autologous bone marrow rescue or peripheral blood stem cell rescue.
- Undergoing phase I/II clinical trials
 - Having palliative care
 - Long term follow up

Departmental Information

- Demographics

The Children's Cancer Unit, Newcastle upon Tyne acts as a regional referral centre for the treatment of children and some young adults with malignancies for the whole Northern Region of England. Between 120-130 new cases are referred each year.

Over 95% of children with cancer from the Northern Region (total population 3.5 million) are referred to the Unit for treatment.

Most patients are entered into national and international protocols of treatment and the consultant members of the Unit are all active members of the Children Cancer and Leukaemia (CCLG) group, and the International Society for Paediatric Oncology.

The unit is a member of the Innovative Therapies in Childrens Cancer (ITCC) and Experimental Cancer Medicines Centres (ECMC) networks and is a lead for the North of Britain INCLUDE network of early phase clinical trials centres treating patients from the North of Britain. The

Programme Description

centre has ITCC accreditation as one of only 20 European First in Child Early Phase treatment centres and is one of only 10 ITCC accredited Early Phase Clinical Trials training sites.

Over 700 children are now either on treatment or on long term follow up.

The new Paediatric Oncology Unit consists of a 20-bedded Paediatric Oncology Ward including a 10 bedded adolescent unit. Additional facilities for overflow patients are provided on general paediatric wards which are in close proximity to the Oncology Unit. A paediatric oncology day unit with clinic facilities is opposite the paediatric oncology ward where 5200 clinic visits/day unit stays per year are seen.

In the GMC trainees survey for 2015 the Newcastle Paediatric Oncology Unit was an above outlier in 4 areas including Overall Satisfaction and Clinical Supervision. All 5 Newcastle Grid trainees who have completed training so far have achieved CCT and been appointed to Consultant Paediatric Oncologist posts in The British Isles.

- Allogeneic Bone Marrow Transplantation (using related or unrelated donors) for haematological conditions is now carried out in a joint 8-bedded unit, shared with children with immuno-deficiency adjacent to the paediatric oncology ward. Autologous bone marrow or peripheral blood stem cell rescue is also undertaken at the Royal Victoria Infirmary. The unit is JACIE accredited.

The unit sits within the Great North Children's Hospital which is a children's hospital within the campus of the Royal Victoria Infirmary. The Great North Children's Hospital is the 4th largest children's hospital in the UK and offers comprehensive paediatric services at a very high level. A total of 13 paediatric national grid training posts for all specialties are offered at GNCH, more than any site outside London.

- Team

Two consultant paediatric haematologists, two paediatric oncological surgeons, a clinical oncologist, 3 paediatric pathologists, 2 neuropathologists, two musculoskeletal pathologists, 2 paediatric radiologists, 3 musculoskeletal radiologists, a paediatric neuroradiologist, and 4 consultant neurosurgeons have major commitments to the Unit. Orthopaedic oncological orthopaedic surgery is undertaken by 3 orthopaedic surgeons as part of one of 4 UK NSCAG funded sarcoma surgery centres. Complex thoracic and cardiothoracic surgery is carried out at the adjacent Freeman Hospital in Newcastle which is a world leading Cardiothoracic and Transplant centre. Major hepatic resection are carried out by the paediatric oncology surgeons alongside a senior colleague from the adult hepato-biliary service.

The Senior medical staff consist of 5 whole time paediatric oncologists (one of whom runs the BMT service), and three University employed oncologists of which varying times are spent on clinical commitments. There is one staff grade doctor working principally on the day unit. The junior medical staff of the Unit at present comprises 2 Specialist Registrars in U.K. training, a paediatric haematology UK trainee, two clinical fellows, a senior clinical trials fellow who may be post CCT, one senior house officer and 1 academic clinical lecturer. In addition there will be an ITCC appointed clinical trials fellow present for 1 year. Trainees undertaking full time research also contribute to the on call rota. There are 40 full time equivalent nurses, over 90 % of whom are registered Sick Children Nurses. There are six Paediatric Oncology Outreach Nurses, five CLIC Sargent Social Workers, one of whom works part time, 4 research nurses, 2 clinical trial co-ordinations, 1 assistant trial co-ordinator and 4 full time equivalent data managers. There are 3 full time BMT liaison nurses who provide a supra regional extracorporeal photopheresis service, a Central nervous system tumours nurse specialist a teenage and young adult nurse specialist and a leukaemia nurse specialist.

- Supervisor(s)

Professor Simon Bailey is responsible for the educational supervision of this post with assistance from Dr Q. Campbell-Hewson, Professor R Skinner, Dr G Halliday, Dr F Van Delft, Dr S Bomken, Dr Geoff Shenton and Professor D Tweddle.

Clinical Training Responsibilities

as above.

Programme Description

Workload / Rota Arrangements / Example Timetable The potholder would be expected to be involved in the Paediatric Oncology on call rota (no general paediatrics) which is a 1 in 7.5 commitment (until 10 pm - no overnight on call) and is European Working Time Directive compliant

Monday

08.00	Mortality and Morbidity meeting/ Complaints compliments	13.00	Psychosocial Meeting
09.00	Paediatric Oncology Handover Round	13.00	Long term Follow up MDT
10.00	Children's Leukaemia Clinic	14.00	Consultant ward round
10.00	BMT Clinic	14.00	Long Term Follow Up Clinic
10.00	Palliative Care Meeting	16.30	Evening Ward Round*

Tuesday

08.30	Paediatric Oncology Multi-Disciplinary Team Meeting	14.00	General Anaesthetic Bone Marrow List
10.00	Ward Round	14.00	2 week wait clinic
10.00	Children's Leukaemia Clinic	14.00	Consultant ward round

Wednesday

08.00	Solid Tumour planning meeting	14.00	Paediatric Oncology Ward Round
09.30	Solid Tumour clinic		
10.00	Ward Round		
12.45	Departmental Paediatric Meeting	16.30	Evening Ward Round*

Thursday

08.30	Paediatric Oncology Teaching Session	14.00	General Anaesthetic Bone Marrow List
09.30	Ward Round	14:00	North of Britain regional Relapse MDT
10.00	Children's Leukaemia Clinic	16.30	Evening Ward Round*

Friday

08.00	Sarcoma MDT		
09.00	Neuro-oncology meeting		
09.30	Ward Round*		
10.00	Neuro Oncology Clinic^		
10.00	Solid Tumour clinic	16.30	Evening Ward Round*

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

The post holder will be encouraged to develop a research interest which may be linked to one of the research programmes of the Unit and every help will be given in order for this to be developed satisfactorily. There is considerable research expertise within the Department and there is scope for a substantial research project to be undertaken. The post holder's own interest will be taken into

Programme Description

account when developing this research programme. The post holder would have expected to undertake an audit of some aspect of the service each year.

Teaching

The post holder will be expected to participate in the teaching programme of the Department of Child Health and they will also be expected to organise post-graduate education in paediatric oncology.

Further training opportunities

As above

Any further information

A large well stocked medical library is present at the adjoining University of Newcastle upon Tyne. Internet access is also readily available via the NHS Intranet

Contact details for unit

Professor Simon Bailey

Sir James Spence Institute of Child Health, Queen Victoria Road, Newcastle upon Tyne, NE1 4LP

simon.bailey@ncl.ac.uk

Phone. 0191 2825395

Severn

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Bristol Children's Hospital	Paediatric Oncology	24-36	Dr Stephen Lewis, stephen.lewis@nhs.net	C	Y

Programme Description

Sub-specialty:	Paediatric Oncology
Base Unit:	Bristol Royal Hospital For Children
Deaneries involved:	Severn

Outline of Programme

This post is available for two to three years, according to the previous experience of the applicant. All training is provided in Bristol and includes experience in general paediatric oncology; BMT; neuro-oncology; haematology for oncologists; phase 1 / 2 / 3 studies. Teenagers and Young Adult oncology patients (age 16 years +) are managed both in the Children's Hospital (beds on a multidisciplinary adolescent ward) and the adjacent Haematology and Oncology Centre. The TYA oncology service is developing rapidly and there will be opportunities for trainees to work across this age range. The Aftercare service is well developed, both within the hospital and in the shared care hospitals in the surrounding region.

Departmental Information

- Demographics
Bristol is the Primary Treatment Centre for the whole of the SW region, a population of 5.5 million. There are 120 new patients with malignant disease / year, and in addition, 40 paediatric allografts / year; 24 in-patient beds, and a designated 10-bed day care and outpatient facility. The regional shared care network operates on a strongly devolved basis, which requires considerable coordination and careful attention to communication. The TYA and aftercare services are growing.
- Team
The trainee will work alongside 6 middle grade doctors, working in oncology, haematology and BMT. These include: One other paediatric or paediatric oncology trainee, one trainee in Paediatric Haematology, 3 Clinical Fellows (SpR equivalent) and 1 ST2 doctor. One adult haematology trainee is attached to the department at all times. The day care unit coordinates the daily working activities of the middle grade doctors, and is lead by a sister and two Advanced Nursing Practitioners.
Senior medical staff work in three teams for daily clinical practice. i) Solid tumours & neuro oncology: 4 consultant paediatric oncologists (4 wte). ii) Leukaemia & non malignant haematology: 3 consultant paediatric haematologist (3.0 wte) who both also contribute to the combined paediatric programme. The BMT programme is supported by 2 consultant paediatricians (2 wte).
- Supervisor(s)
Dr SP Lewis

Clinical Training Responsibilities

SpRs rotate through four different clinical areas at 3 - 6 monthly intervals: oncology inpatients (including neuro-oncology), haematology inpatients (leukaemia and non-malignant haematology), day care / outpatients, and BMT (including inpatient, out-patient and BMT coordination). Trainee supervision includes twice weekly consultant-led ward rounds; twice weekly multidisciplinary team meetings; an 'attending consultant' system for in-patient care and new patient referrals; and weekly supervised chemotherapy prescribing session. Induction includes supervision in bone marrow sampling and harvesting, safe chemotherapy prescribing and handling course and accredited training in prescription and administration of intrathecal chemotherapy. Out-patient clinics in Bristol include general oncology, leukaemia, non malignant haematology, neuro-oncology and combined neuro-oncology / endocrine, BMT follow-up and young adult long term follow up. Occasional participation at regional shared care clinics is encouraged.

Workload / Rota Arrangements / Example Timetable

The department maintains an independent on call rota for Haem / Onc and BMT at middle grade level. One SpR / Fellow covers the service (resident) until 22:00 each night / weekend supported by

Programme Description

one consultant. There is no overnight on call commitment. The middle grade rota is currently 1:6. The rota is new deal and WTD compliant. Support is provided by general paediatric cover (working shifts), ST6 and above. In-patient nursing staff are experienced and supportive.

Programme Description

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

All trainees are expected to undertake audit and to make a regular contribution to the departmental academic programme. The formal teaching programme includes one department academic meeting (includes M&M and audit) and a consultant-led teaching session each week. This supplements the educational value of clinical- weekly BMT planning meetings; weekly solid tumour MDT; weekly neuro-oncology MDT board meetings; monthly leukaemia and haematology MDT. Weekly hospital grand rounds. IT access on wards and in office area with internet, PubMed etc. Small departmental library and excellent new Trust Education Centre. Opportunities exist for participation in clinical research and there are weekly clinical trial review meetings, clinical research team or research governance meetings. Laboratory experience is available within the department (normally directed towards a higher degree as part of 'out of programme' experience).

Further training opportunities

This is a large and busy department with many varied opportunities. Trainees will have opportunity to develop a specific area of expertise, and are encouraged to be active members of the CCLG.

Contact details for unit

Dr SP Lewis, 0117 342 8451
s.p.louis@bristol.ac.uk

Dr Rachel Dommett 0117 342 8451
Rachel.Dommett@UHBristol.nhs.uk

Wales

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Dept Child Health, University Hospital of Wales	Paediatric Oncology	18	Dr M Jenney Meriel.jenney@wales.nhs.uk	C	Y
Bristol Royal Hospital for Children	Bone Marrow Transplantation	6	Stephen Lewis stephen.lewis@nhs.net	C	Y

Additional Information

The majority of the training will be in the paediatric oncology/haematology department within the Children's Hospital for Wales (18 months).

There will be a 6 month placement in Bristol Children's Hospital for training in bone marrow transplant.

Programme Description

Subspecialty:	Oncology
Base Unit:	Children's Hospital for Wales, Cardiff
Deaneries involved:	Wales

Outline of Programme

We are pleased to offer a post for sub-speciality training in Paediatric Oncology in Cardiff. The unit provides a full tertiary Paediatric Oncology and Paediatric Haematology (malignant and non-malignant) service, including neuro-oncology for South and West Wales and a unit and outreach service for teenagers and young adults (TYA) with cancer. The trainee will have the opportunity to see and manage new patients from all these diagnostic groups throughout their training in Cardiff.

Facilities: The unit relocated to a new, purpose-built facility in the Children's Hospital for Wales early in 2005. There are 10 children's inpatient beds (including facilities for autologous stem cell transplants) and designated outpatient, anaesthetic and day-case treatment areas in close proximity to the ward. There are approximately 70-80 new cases of childhood malignancy per year treated within the paediatric unit. In addition there is a state-of-the-art Teenage Cancer Trust unit for 15-24 year olds, with 8 inpatient beds and a day-bed facility.

Staffing: There are three full-time and one part-time Paediatric Oncologists, as well as two Paediatric Haematologists. A senior lecturer in Paediatric Palliative Care is also closely associated with the unit, providing on-site support and training. There are 2 SHOs and 2 middle grade doctors (MTI/Paediatric Trainees) within Paediatric Oncology, one SpR post allocated to the Grid and a Haematology SPR (only clinic/laboratory based). The outpatient activity is supported by a full-time associate specialist and the inpatient care in the Teenage Cancer Trust Unit by a ward-based staff grade.

Training opportunities: Training will be provided in all aspects of inpatient and outpatient management of children with malignant disease, within the framework of a consultant-led service. This includes high dose chemotherapy with autologous stem cell rescue. Training in TYA cancers, palliative care and non-malignant haematology is also provided. You will spend a six-month period at the Bone Marrow Transplant unit in Bristol, which is within commuting distance. All inpatient paediatric services are housed on one site in Cardiff and include Cardiology, Respiratory, Ophthalmology, Nephrology, Endocrinology, Neurology, Neurorehabilitation, Surgery, Neurosurgery and Paediatric Intensive Care. There is a designated Paediatric Pathologist and four Paediatric Radiologists who play an active role in multi-disciplinary meetings (MDTs). For neuro-oncology patients, there is close collaboration with the Neurosurgeons, Neurologists including Consultant in Neurorehabilitation, Clinical Oncologists, Neuroradiologists and Neuropathologists within the neuropathology MDT. A bone and sarcoma oncology clinic in Cardiff, four times a year, is supported by visiting specialists from the supra-regional centre in Birmingham. Close links with supra-regional retinoblastoma and liver cancer services are established, A weekly consultant-led long-term follow-up clinic provides experience in the late effects of therapy centred around a regular MDT meeting. Shared care is provided in Carmarthen and Swansea including regular outreach clinics.

Radiotherapy: There are two Clinical Oncologists with expertise in the care of children with malignant disease who are active members of the weekly diagnostic MDTs. The radiotherapy service is based at Velindre Hospital (about 3 miles away), and there will be opportunity to spend time there for further training. A Proton Beam Radiotherapy Unit, the Rutherford Centre in Newport is being developed with commissioning for paediatrics outstanding.

Other Clinical Support Services: There are two Paediatric Oncology Pharmacists within the department. They prescribe and lead on the electronic chemotherapy prescribing using ChemoCare. Other members of the team are a designated Physiotherapist, Dietician, Psychologist (job share with neuropsychologist), Play Therapists and 3 Social Workers.

Organisation of Care: At the principle treatment centre, there are weekly diagnostic MDTs (solid tumour, neurooncology, leukaemia and TYA) and a weekly treatment planning meeting. The unit has two designated Psychologists who leads the weekly psycho-social MDT. Because of the large

Programme Description

geographical area covered by the unit, a significant amount of care is given to patients at home including palliative care. This is delivered by our outreach nursing team of five POONS, including a specialist neuro-oncology nurse.

Shared Care: Currently shared care is undertaken with Carmarthen and Swansea. Trainees would be encouraged to liaise in the day-to-day management of their inpatients and attend outreach clinics, although the majority of training will take place in Cardiff.

Research opportunities: The unit participates actively in all national and international phase III trials, some phase II trials and commercial trials and has 1 Research Nurse in post. There is an active local research programme within the unit, with a previous grid-trainee and SpRs undertaking locally-supervised MDs. We are very keen to support research and encourage the development of a research interest.

Cardiff: Cardiff is 2 hours by train from London and has excellent facilities within the city and its surrounding countryside. The Brecon Beacons National Park is within 30 minutes drive, the Pembrokeshire coast well within 2 hours and a variety of cultural events are hosted in the capital city of Wales (including opera at the Millenium Centre, theatres and rugby at the Millenium Stadium).

Departmental Information

- Demographics
All Paediatric Oncology and Haematology patients presenting from South and Mid Wales are referred to Cardiff. Around 80 new cases of paediatric/TYA cancer are treated within the paediatric unit each year.
- Team
4 Consultant Paediatric Oncologists, 2 Consultant Paediatric Haematologists, 1 Associate Specialist, 1 TYAC Staff Grade, 1 SPR (1 NTN) and 2 Middle Grade doctors (MTI), 2 SHOs
- Supervisor(s)
Dr. Heidi Traunecker
Dr. Meriel Jenney
Dr. Cathy Morley-Jacob
Dr. Madeleine Adams
Dr. Philip Connor
Dr. Indu Thakur

Clinical Training Responsibilities

Once the trainee has developed a basic understanding of the day-to-day tasks of managing patients in the inpatient, outpatient, day-case and shared care setting, further training focuses on taking a lead in the management of patients under Consultant supervision.

Taking responsibility for managing line insertion lists, oncology MDTs and coordinating/managing the treatment pathways for children with all types of malignancy.

The trainee will have an opportunity to follow patients through their whole treatment pathway, including radiotherapy and surgery, where appropriate, and liaising with the other specialist clinical teams as required.

As a member of the Clinical Trials Team, the trainee will be trained to consent for treatment, and to enrol patients in supportive care trials and some of the more common clinical trials.

Attendance at CCLG meetings, and national and international training meetings is fully supported, with Consultants covering absences.

Workload / Rota Arrangements / Example Timetable

Daytime work is entirely within the Paediatric Oncology department, rotating on a 3-monthly basis between the ward, day-case and outpatient areas. The SpR, Middle Grade Doctors and clinic based Associate specialist work together, with close liaison between the different areas. The out-of-hours commitment is to the wider Paediatric service, covering the speciality rota, including Oncology, Cardiology, Nephrology and Neurology, on a 1:11 basis. Nights are split into Monday to Thursday and Friday to Sunday, with one weekend covered as long days.

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

Participation in SHO/SpR teaching on a regular basis covering common oncological topics is expected as well as teaching nursing colleagues.

Continuing or developing a research project is fully supported, with several trainees having undertaken an MD in recent years.

It is expected that a significant audit project will be undertaken with involvement (and supervision) of SHOs.

Participation in national and international research trials and the in-house Quality Assurance development relating to GCP-compliant research practice are part of standard practice in the unit.

Further training opportunities

4-6 months working in the Bone Marrow Transplant unit at Bristol Children's Hospital is supported by funding and mandatory training. There are opportunities to link with colleagues treating older patients within the TCT unit, and also opportunities for training in specialist paediatric Palliative Care.

Trainees are encouraged to attend local, national and sometimes international training courses and meetings. There is weekly consultant- led teaching within the unit.

Any further information

The unit in Cardiff provides comprehensive training in Paediatric Oncology, treating all malignant cases (and non-malignant haematology) with the exception of allogeneic or unrelated BMT, and nationally-commissioned specialist surgery such as for bone tumours and retinoblastoma. There are particularly good opportunities for training in Cardiff as the TCT unit is on site and specialist Palliative Care is well developed. There is full Consultant support with training tailored to the trainee's needs.

Contact details for unit

Hospital switchboard Tel 029 2074 7747

Oncology/Haematology secretaries 029 2074 2285 or 2107

Wessex

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Southampton Children's Hospital	Paediatric Oncology	24	Dr Juliet Gray	C	Y

Additional Information

Bone marrow transplant experience will be arranged out of region if required (if the trainee does not have this already). Previously this has been done with the Royal Marsden (South Thames) but the specific arrangement will depend on the needs and geography of the trainee.

Sub-specialty:	Paediatric Oncology
Base Unit:	Southampton Children's Hospital
Deaneries involved:	Wessex

Outline of Programme

2 year post providing training in paediatric oncology, paediatric haematology for oncologists, neuro-oncology and palliative care. Exposure to TYA oncology is also available, and there is a dedicated consultant in TYA (Dr A Davies). BMT experience will be gained by rotation to another centre (to be arranged depending on the training needs of the applicant)

Departmental Information

- Demographics
The Paediatric Oncology Unit in Southampton takes all children (up to 17 years) in Wessex. The purpose-designed unit has 10 in-patient beds and 4 day beds, together with out-patient consulting rooms, a play room, school room and parents' facilities. There are approximately 100-120 newly diagnosed cases of cancer referred each year. Patients requiring BMT are referred to Bristol or London, depending on where they live, but return soon after transplant for on-going care. Patients receive specialised orthopaedic surgery at Stanmore, retinoblastoma surgery at GOSH and liver surgery at Kings College Hospital. All paediatric subspecialist services are on site, including surgery, neurosurgery, radiotherapy, neurology, nephrology, endocrinology, cardiology, gastroenterology, nuclear medicine, respiratory medicine and PICU. There is a TYA MDT and 6-bedded ward which opened in Sept 2013, providing a regional service for this age group.
- Team
 - Dr JC Gray Associate Professor and Consultant in Paediatric Oncology
 - Dr GL Nicolin Consultant Paediatric Oncologist
 - Dr R Ramanujachar Consultant Paediatric Oncologist
 - Dr Jessica Bate Consultant Paediatric Oncologist
 - Dr Sarah Curry Consultant Paediatric Oncologist
 - Dr Gregory Harvet Consultant Paediatric Haematologist
 - Dr Helen Oram Consultant Paediatric Haematologist
 - Dr Michelle Koh Consultant Paediatric Palliative Care
 -
 - Dr D Brooke Staff grade
 - Dr C Bowley Staff grade
- Supervisor(s)
Dr Juliet Gray, Associate Professor and Consultant in Paediatric Oncology

Clinical Training Responsibilities

Training in haematology is co-ordinated by Dr Harvet and Oram and in neuro-oncology and palliative care by Drs Nicolin and Koh respectively. Dr Gray is the Clinical Trials Lead, and weekly meetings are held with the trial coordinator and data managers, which will include discussions about phase 1 and 2 trials to be opened locally. The SpR can also learn about early phase trials to which patients may be referred. Should specific BMT training be required, a rotation (e.g to RMH) would be negotiated (as has happened before).

Workload / Rota Arrangements / Example Timetable

The trainee will rotate through the following areas:

1. Co-ordination of all aspects of in-patient care on the unit, including routine ward duties, routine and emergency admissions to the unit and liaison with other paediatric services.
2. Day patient and OP work, including liaison with POSCUs, undertaking BM aspirations/LPs on the GA lists and prescribing of chemotherapy
3. Neuro-oncology attachment, including ward rounds, clinics, and neuro-oncology, MDT attendance

The oncology SpR is on an EWTD compliant rota, sharing out-of-hours general paediatric duties with other subspecialty SpRs. There are obligatory periods of night duty (covering all paediatric specialties), with appropriate compensatory rest. Comprehensive support is provided by the Consultants in and out of normal working hours.

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

Trainees are encouraged to participate in oncology research/audit during their appointment. Attendance and ideally a poster presentation at SIOP would be encouraged, together with membership of the national oncology trainees group. Several audits and re-audits are undertaken in the unit each year. Medical students undertake BMed Sci projects each year in paediatric haematology/oncology, and there are opportunities for the SpR to be involved with supervision. The SpR is also expected to participate in the undergraduate teaching programme.

Further training opportunities

There is a weekly educational meeting for all senior staff, to which the SpR will be expected to contribute. This covers set-up meetings for all new trials, teaching on pertinent current topics, a journal club and outside speakers. Regular morbidity and mortality meetings are held, and MDTs for solid tumours, leukaemia, neuro-oncology and late effects. An active teaching programme exists within general paediatrics, including a weekly clinical meeting, XRay meetings and sessions covering aspects of mandatory training such as child protection. There is a monthly teaching day which all senior paediatric trainees are expected to attend. There are regular seminars organised by the Cancer Sciences division to which everyone is welcome.

Contact details for unit

Dr Juleit Gray jcgray@soton.ac.uk

Yorkshire and Humber

Hospital / Centre	Placement Name	Duration (Months)	Educational Supervisor (name and e-mail) These will be published unless you ask otherwise	Compulsory (C) or Optional (O)	Availability Guaranteed (Y/N)
Sheffield Children's Hospital NHSFT	Oncology/Haematology/Late effects/BMT	24	Daniel Yeomanson daniel.Yeomanson@sch.nhs.uk	C	Y

Additional Information

There will be the option for the trainee to spend a further third year at Nottingham or Sheffield depending on their training needs and status at entry to the programme.

Sub-specialty:	Paediatric Oncology
Base Unit:	Sheffield Children's NHS Foundation Trust
Deaneries involved:	Yorkshire and Humber (South Rotation)

Outline of Programme

This programme will include at least two years at Sheffield Children's Hospital (SCH), one of only four specialist children Trusts in the country, which will include general paediatric oncology, neuro-oncology, TYA oncology, clinical trials (early and phase 3). paediatric/adolescent bone marrow transplantation (BMT) and late effects.

Departmental Information

- Demographics

SCH provides tertiary services to approximately 2.5 million people from the surrounding locality. 70-80 new patients with malignant disease are seen each year. SCH received JACIE re-accreditation in 2015. The unit is the sole paediatric bone BMT centre in Trent and receives out of area referrals for autologous and allogenic transplants. The department has a 14-bedded ward (with 6 laminar airflow cubicles) and 4 additional day care beds. There is a brand new dedicated outpatient suite. There are close links with services for TYA patients at the adjacent Western park Hospital, part of Sheffield Teaching Hospitals NHSFT.

- Team

The trainee will work with the haematology registrar and 2 x ST3 paediatric trainees. The Consultant staff include 3 Oncology Consultants and 4 Haematology Consultants (two are Transplant consultants). There are Lead Nurses for Leukaemia and Haemopoietic Stem Cell Transplantation as well as Nurse Specialists in late Effects and Haemophilia, 4 Paediatric Oncology Outreach Nurses and 2 Research Nurses. The unit has 2 WTE oncology pharmacists and a full MDT including psychology, neurophysiology, physiotherapy and OT.

- Supervisor(s)

Dr Dan Yeomanson, Consultant Paediatric Oncologist - 0114 2717366

Clinical Training Responsibilities

Trainees will gain experience in paediatric oncology, neuro-oncology, TYA oncology, phase 1 - 3 clinical trials, paediatric /adolescent BMT and late effects There are weekly solid tumour, neuro-oncology, malignant haematology, BMT, TYA and psychosocial MDTs and separate monthly paediatric and TYA Late Effects MDTs. Consultant led ward rounds take place on Monday and Friday with registrar led ward rounds Tuesday to Thursday. Weekly clinics are held for on treatment, non malignant haematology patients and BMT patients. There are also weekly Late Effects clinics with combined endocrine / late effects input once a month and a well established TYA Late effects clinic which is held at the Royal Hallamshire Hospital. The post holder will be trained to administer IT chemotherapy and will be taught how to safely use computerised chemotherapy prescribing.

Workload / Rota Arrangements / Example Timetable

The trainee will participate in the general paediatric rota, meeting RCPCH requirements for paediatric training.

Non Clinical Training Responsibilities (expectations of research / audit / teaching)

All trainees are expected to undertake audit and to make regular contribution to the departmental academic programmes. Trainees will receive training in line with the current CSAC syllabus and will be expected to maintain a training portfolio. Learning opportunities include departmental meetings (includes research presentations, protocol meetings and audit), site specific MDTs, general paediatric grand rounds and Deanery paediatric teaching which includes training in management, audit, counselling, presentation and communication skills. Opportunities exist for participation in both clinical and laboratory research and candidates will be supported in applying for an ‘out of programme’ higher degree should they wish to do so. There is an active Late Effects research group (LEGS - Late Effects Group, Sheffield) co-ordinated by a nurse specialist with an established research background.

Further training opportunities

The department has active research links and trainees are encouraged to develop and pursue a research interest.

Any further information

Further details, including an outline of the working week and duties of the post is available on request.

Contact details for unit

Dr Vicki Lee, Dr Anna Jenkins and Dr Dan Yeomanson, Consultant Paediatric Oncologists, 0114 2717366.