

Genetic Technologist

GOSH profile

Great Ormond Street Hospital for Children NHS Foundation Trust (GOSH) is an international centre of excellence in child healthcare. GOSH is an acute specialist paediatric hospital with a mission to provide world-class care to children and young people with rare, complex and difficult-to-treat conditions.

Together with our research partner, the UCL Great Ormond Street Institute of Child Health, we form the UK's only academic Biomedical Research Centre specialising in paediatrics.

Since its formation in 1852, the hospital has been dedicated to children's healthcare and to finding new and better ways to treat childhood illnesses.

Great Ormond Street Hospital receives nearly 300,000 patient visits (inpatient admissions or outpatient appointments) every year (figures from 2016/17). Most of the children we care for are referred from other hospitals throughout the UK and overseas. There are 60 nationally recognised clinical specialities at GOSH; the UK's widest range of specialist health services for children on one site. More than half of our patients come from outside London and GOSH is the largest paediatric centre in the UK for services including paediatric intensive care and cardiac surgery.

Through carrying out research with the Institute of Child Health, University of London and international partners, GOSH has developed a number of new clinical treatments and techniques that are used around the world.

The UK's only academic Biomedical Research Centre (BRC) specialising in paediatrics is a collaboration between GOSH and UCL Great Ormond Street Institute of Child Health. We are a member of University College London (UCL) Partners, joining UCL with a number of other hospitals – an alliance for world-class research benefitting patients. In partnership with six other NHS trusts, we are the lead provider for North Thames Genomics Medicine Centre, part of the national 100,000 Genomes Project.

GOSH employs

4,122

hospital staff, including doctors, dietitians, nurses, physiotherapists, psychologists and speech and language therapists.



The UK's widest range of health services for children on one site.



The hospital has more than
283,000
patient visits every year.



GOSH has **19** nationally commissioned services for rare diseases, the largest number in any NHS trust.

Job title	Genetic Technologist
Directorate	North Thames Genomic Laboratory Hub
Band	5
Responsible to	Senior Genetic Technologist
Accountable to	Head of Service
Type of contract	Permanent
Hours per week	37.5
Location	Rare & Inherited Disease Laboratory
Budgetary responsibility	N/A
Manages	N/A

Trust Values and Expected Behaviours

The Trust has developed the Always Values with our staff, patients and families that characterise all that we do and our behaviours with our patients and families and each other.

Our Always Values are that we are:

- Always Welcoming
- Always Helpful
- Always Expert
- Always One Team

Each value is underpinned by behavioural standards and employees will be expected to display these behaviours at all times.

You can find a full copy of Our Always Values on our intranet.



Scope of the role

To provide both the technical and administrative support required to maintain an efficient and high quality molecular genetic diagnostic service.

Working with the laboratory's scientific, technical and administrative staff, the laboratory technologist will:

- Provide technical support for established analyses
- Undertake development work under supervision
- Undertake sample preparation duties as required
- Undertake data analysis as required

Key working relationships

Internal:

Technologist team (including assistants and senior), Clinical Scientists, Administrative Staff

External:

Suppliers, Engineers, Research Scientists

Main duties and responsibilities

General

- To follow established procedures and assist in the maintenance, preparation and review of operating policies
- Comply with health and safety policies
- Assist in quality assurance procedures
- Assist in training of new staff or visitors
- Be flexible to changes in methodology, automation, and data management with respect to sample preparation and analysis
- Attend training courses as required
- To participate in the personal development review (PDR) process and to work towards the personal development plan (PDP) generated during appraisal.

Technical duties

- Registration of samples received into the laboratory
- Sample processing including extraction, quantitation, storage and dispatch of DNA.
- Participation in technical work in accordance with requirements of assigned

Laboratory section

- Analysis of data and preparation for authorisation by scientific staff.
- Generation of normal template-based analytical reports.
- Undertake development and validation of new tests / techniques under supervision of scientific staff.
- Participate in general rota of technical staff for basic lab duties such as stock control, equipment maintenance and general housekeeping duties.
- Preparation of reagents
- Participate in journal clubs and other training sessions

Administrative duties

- Computerised data entry of patient sample and result details
- Filing of patient request cards and other documentation
- Assist in preparation of activity and audit data

Other information

Great Ormond Street Hospital for Children NHS Foundation Trust is a dynamic organisation, therefore changes in the core duties and responsibilities of this role may be required from time to time. These guidelines do not constitute a term or condition of employment.

Safeguarding

All Trust staff have a responsibility for safeguarding children, young people and vulnerable adults which includes;

- an understanding of relevant Trust Policies
- ensuring that any safeguarding and child protection or vulnerable adults' concerns are both recognised and acted on appropriately
- Attendance at mandatory safeguarding children & adults training and updates at the competency level appropriate to their role and in accordance with the Trust's safeguarding training guidance.

Confidentiality

On appointment you may be given access to confidential information which must only be disclosed to parties entitled to receive it. Information obtained during the course of employment should not be used for any purpose other than that intended. Unauthorised disclosure of information is a disciplinary offence.

Risk Management

You will be required to ensure that you implement systems and procedures at a local level to fulfil the requirements of the organisation's Risk Management Strategy including local management and resolution of complaints and concerns, management of SUIs/incidents and near misses. Your specific responsibility for risk management will be clarified to you by your manager at your local induction.

Emergency Planning

In accordance with the organisations responsibilities under the Civil Contingencies Act 2004, you may be required to undertake alternative duties as is reasonable directed at alternative locations in the event of and for the duration of a significant internal incident, major incident or flu pandemic.

Human Rights

You are required to comply with the regulations of the Human Rights Act 1998 during the course of your employment.

Sustainable Development

You will be required to demonstrate a personal commitment to the Trust's Sustainable Development Plan and to take personal responsibility for carrying-out your work duties in a way which is compliant with this Plan.

PERSON SPECIFICATION

Evidence for suitability in the role will be measured via a mixture of application form, testing and interview

Essential: **E** Desirable: **D**

Our Always Values

E	Always welcoming – positive, polite, prompt, responsive
E	Always helpful – respectful, supportive, approachable; caring
E	Always expert – Up-to-date knowledge , strive to provide a quality service, proactive
E	Always one team – informative, mindful, appreciative, open, honest

Skills and Abilities

E	Experience in a routine diagnostic laboratory of molecular genetic / cytogenetic techniques including: DNA extraction, PCR, MLPA, Sanger Sequencing, NGS, automated sample handling systems, ABI genetic analysers, G Banded karyotyping, microarray
E	Careful, meticulous and able to follow instructions
E	Computer literate
E	Able to communicate effectively both verbally, by email and by appropriate documentation
E	Willing to adapt to changes in methodology
E	Experience with laboratory information management systems
E	Able to present data at departmental and inter-departmental meetings

Education, Training and Qualifications

E	HNC/HND or Diploma in science (or equivalent)
D	Biological Science / Genetics Degree (or equivalent experience)

Knowledge & Experience

E	Genetics Laboratory experience
E	Able to work under supervision
E	Basic knowledge regarding biochemical, cytogenetic and molecular genetic technology