

Genomics Clinical Education Lead

Advert

Introduction

In October 2018 NHS England started work to create the NHS Genomic Medicine Service (GMS), including a National Genomic Test Directory and the establishment of a national network of seven Genomic Laboratory Hubs (GLHs) across England. Each GLH network closely with the Genomic Medicine Centres in their geographical area.

The NHS Long Term Plan set out a clear commitment for the NHS to invest in genomics to transform patient care and provide access to cutting-edge genomic technology, including whole genome sequencing, for patient benefit. Rapid advances in technology and understanding mean that genomics is now more relevant than ever before. As genomics increasingly becomes a part of mainstream NHS care, all healthcare professionals, and not just genomics specialists, need to have a good understanding of its relevance and potential to impact the diagnosis, treatment and management of people in our care.

In 2014, Health Education England (HEE) launched the Genomics Education Programme (GEP) to ensure that the 1.2 million-strong NHS workforce has the knowledge, skills and experience to keep the UK at the heart of the genomics revolution in healthcare. Current knowledge about genomics varies across the medical profession. While not everyone needs to be a genomics expert, all doctors, from medical students to those near to retirement will need sufficient, up-to-date knowledge of genomics in their field, the skills and confidence to discern when testing may be relevant for their patients and how to request it, and to understand and act appropriately on receipt of the results.

The Academy of Medical Royal Colleges has been working with NHS England over the last two years to consider the clinical requirements for the embedding of genomics into clinical practice in the NHS. This has included information sharing, proposals for clinical pathways that will be required, and identifying the educational needs of clinicians from medical school to retirement who will be involved in the new ways of working. We have unique access to clinicians of all specialties who will be involved in bringing genomic medicine into the NHS, and links across the whole spectrum of medical education from undergraduate to retirement. We also have links with all the non-medical professions and work collaboratively to ensure that there is alignment of approaches where appropriate.

This new role, funded by Health Education England (HEE), will provide a Genomics Clinical Education Lead who is able to work with the medical royal colleges and the HEE GEP team in order to provide clinical input into the design and delivery of the education requirements. This will require close liaison with college curricular development and delivery work. The work will build on the that already done by the Academy's Genomic Clinical Leads to develop high level learning outcomes for clinicians. This has included input from undergraduate, foundation and postgraduate medical

education experts, and also nursing, midwifery and physiotherapy colleagues. The aim would be to create something that works for the multi-professional team.

The fellow will report to Professor Carrie MacEwen, Academy Chair, and Dr Anneke Seller, Scientific Director of the HEE GEP, who will jointly set objectives and review performance. The appointee will be consultant or a senior clinical trainee who has good knowledge of genomics and genetics, and its application in healthcare. In addition, they will need to demonstrate an interest in education. This may be, but is not limited to, a clinical geneticist, and includes clinicians from other specialities, and will be someone of seniority able to work with minimum requirements for supervision. Close working with the NHSE genomics medical programme is essential.

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Details of role: Funding is provided in the first instance for one year, with the expectation that the role will continue for a further year depending on confirmation of funding (requested); the appointment will commence as soon as possible.

1. The expectation is that this will be a part-time role, perhaps two or three days per week (to be agreed in discussion with the successful candidate)
2. And this role is undertaken on a secondment basis; thus the appointee would retain their NHS Terms and Conditions. However, direct employment by the Academy is an option if preferred.
3. Interviews will be held on Thursday 23rd January 2020.

Role description

Role name:	Genomics Clinical Education Lead
Reporting to:	Chair, Academy of Medical Royal Colleges, and Head of HEE GEP
Direct reports:	None
Team	Genomics
Overall job purpose:	As part of the Genomic Medicine Service, new patient pathways are being identified and developed. The Health Education England Genomics Education Programme has a role in developing education, training and competency frameworks including development of professional curricula, a programme of resource development and CPD opportunities to support the upskilling of both the prospective and current workforce in genomics. To achieve these aims the GEP works closely with a number of stakeholder networks and communities of practice who provide expertise and also aid spread and adoption within their own specialities.
Key responsibilities:	Key responsibilities will include:

	<ul style="list-style-type: none"> • Working closely with the medical royal colleges and the Genomics Education Programme to provide input and expertise into the development of educational resources, courses, podcasts and videos to meet the needs for mainstreaming genomics within medicine • Co-ordinating and undertaking a thorough review of the genomic content of medical specialty training curricula, and the development of core capabilities to increase consistency across all specialties • Working with the GEP and the AoMRC Genomics Clinical Leads to develop competency frameworks and guidance as required in genomics to support mainstream clinicians • Providing support to and linking with training and education networks in the Genomics Medicine Centres and Genomics Laboratory Hubs to disseminate the work of the AoMRC Genomics Clinical Leads, to signpost to relevant training and education resources and opportunities, identify issues for consideration by the AoMRC Genomics Clinical leads • Identifying new areas of work, including surveys or evaluations • Presenting the work of the AoMRC Genomics Clinical Leads and the Genomics Education Programme at relevant meetings and conferences • Supporting the education and training work and outputs of the Academy's Genomics Clinical Leads
<p>Essential skill, knowledge and behaviours required:</p>	<ul style="list-style-type: none"> • Senior clinical trainee or consultant who has good knowledge of genomics and genetics. This may be, but is not limited to, a clinical geneticist, and includes clinicians from other disciplines who are well versed in genetics and genomics • License to practise • Ability to develop educational resources for clinicians including curriculum content and learning outcomes and methods of assessment • Understanding of how to approach development of core competencies in particular areas of education • Proven ability to work collaboratively across different medical royal colleges and other organisations to agree aims and processes to achieve those aims • Familiarity with medical royal college specialty training curricula and the methods of bringing about changes where necessary • Excellent writing skills • A demonstrable ability to cope under pressure and deliver to deadlines • Ability to communicate effectively within a multidisciplinary team • Flexible and co-operative approach to colleagues • Ability to work independently and to show initiative within a team • Ability to prioritise and balance competing demands • Willingness to travel within London and to Birmingham for meetings with HEE, and other meetings and conferences as appropriate

Deliverables

A significant contribution towards the delivery and/ or implementation of:

1. A competency framework for obtaining patient consent and delivering results to patients, based on the current work being done by HEE.
2. Key guidance to support clinicians and the mainstreaming of genomics into medical specialties.
3. Development of online training and education resources.
4. Creation of networks to deliver key elements of this work programme i.e. competency frameworks, curricula and education and training resources.
5. Reports on progress of key deliverables by means of meetings with HEE GEP and AoMRC.
6. Report outlining key outputs and progress against these deliverables across the contract period.

Performance Requirements

During the course of the contract the Genomics Clinical Education Lead will be required to:

1. Be able to show where training curricula have been updated to reflect requirements for genomics education.
2. Demonstrate involvement and input into the development of education and training resources.
3. Demonstrate where networks and contacts within the wider system have been used to support the development of the work programme outlined.
4. Evidence the relevant meetings and conferences attended or where paper/abstracts have been submitted or published.