Job Description & Person Specification

Senior Fellow in Adult Congenital Heart Disease

*Under the Trust’s Terms & Conditions of Service for Junior Specialist Doctors*

**Department of Cardiology**

12 months fixed term

**Basic Salary:** £46,208 per annum

*This post is not formally recognised for training.*
Senior Fellow in Adult Congenital Heart Disease

1. Introduction

An opportunity has arisen for the position of Senior Clinical Fellow in Adult Congenital Heart Disease at The Adult Congenital Heart Disease Unit (ACHD), Queen Elizabeth Hospital Birmingham (QEHB), starting date to be confirmed. The post is fixed term for 12 months. The unit offers a supra-regional service for the management of adult congenital heart patients in the West Midlands and covers all relevant clinical sub-specialities including cardiac obstetric services, electrophysiology, devices, interventional catheter based procedures, full ACHD surgical programme, and cardiac transplantation. There is onsite advanced imaging including TTE, TOE, cardiac CT, cardiac MRI and nuclear cardiology and expertise in cardiopulmonary exercise testing. The post offers the opportunity to sub-specialise in all areas of ACHD. It is suitable for an individual who has gained their CCT or equivalent and would like to gain further experience in this field prior to consultant appointment, or for trainees wishing to pursue subspecialty training in ACHD, subject to educational approval.

2. Details of Department & Service

2.1 Size and Activity

The University Hospital Birmingham provides a local, regional and supra-regional cardiology service with all major sub-specialities on site in the new 1200 bed Queen Elizabeth Hospital Birmingham. Cardiac services are divided into five areas:

a) Adult congenital heart disease

The ACHD population is growing rapidly both in numbers and complexity of disease, reflecting the success of paediatric cardiac surgery in the last 3 decades. The West Midlands ACHD Unit serves a population of 5.3 million, with more than 5000 current patients, and continues the specialist care of patients with congenital heart disease from the Birmingham Children’s Hospital. The Unit provides full ACHD services; interventional ACHD which includes an expanding percutaneous pulmonary valve programme and expertise in highly complex congenital heart disease, advanced imaging, high risk pregnancy service, pacing and electrophysiology, congenital cardiothoracic surgery and advanced disease management. Outreach services are provided at hospitals around the region. The service is delivered by five consultant cardiologists (Drs Thorne, Clift, Hudsmith, Bowater and Arif) plus a Specialist Registrar holding a national training number in ACHD.

b) Coronary and Non-coronary Intervention

The interventional cardiology programme is one of the largest in the West Midlands region. The programme currently performs approximately 2400 cardiac catheterisations and 750 coronary angioplasties. Non-coronary intervention is expanding and includes TAVI, septal ablation, PTMC and para-valvular leak closure.
c) **Electrophysiology**
   The service delivers approximately 850 EP/ablations a year, 300 pacemakers, 120 CRT-P and 250 defibrillators. The EP team have close links with the ACHD team and carry out ablations and pacing on both simple and complex ACHD patients.

d) **Heart Failure and Transplant**
   A specialist heart failure service provides both in-hospital and out-patient care. Close collaboration with primary care and community teams is a major feature of the service. The QE is a nationally designated heart and lung transplant centre serving predominantly the West Midlands and Wales. There are close links between the transplant team and the ACHD team with increasing experience of cardiac transplantation on complex ACHD.

e) **Imaging**
   Annually the echocardiography service delivers over 14,000 transthoracic echoes, over 500 transoesophageal echoes and 250 stress echoes all delivered on Philips EPIQ 7 machines with facility for contrast, perfusion and deformation. The CMR service delivers over 2600 scans per year through a 1.5T Siemens Avanto scanner, with access to both wide bore cardiac scanning and 3T imaging. There is a continued increase in demand for CMR.

2.2 **Staffing**

a) **Cardiology consultants**

Dr S Thorne ) 
Dr P Clift ) ACHD 
Dr L Hudsmith ) 
Dr S Bowater ) 
Dr S Arif ) 

Dr H Marshall ) 
Dr M Griffith ) Electrophysiology 
Dr J De Bono ) 
Dr M Lencioni ) 
Dr R Bond ) 

Prof F Leyva )
Dr S Lim )
Dr P Desai ) Heart failure
Prof R Smith) 
Dr S White )

Prof J Townend )
Dr P Ludman )
Dr P Jordan  )  Intervention
Dr S Khan  )
Dr A Zaphirou  )

Dr R Steeds  )
Dr N Edwards  )  Imaging
Dr W Bradlow  )

b) Junior staff

Registars  9
Lecturers  1
CMT  2
FY  2
JSD  2
Senior Fellows  2

c) Cardiothoracic surgeons

Mr D Barron  )
Mr T Jones  )  Congenital cardiac surgery
Miss N Khan  )
Mr P Botha  )

Mr J Mascaro  )
Mr S Rooney  )
Prof D Pagano  )  Acquired cardiac surgery
Mr M Babra  )
Mr N Howell  )
Mr A Ranasinghe  )

d) Management arrangements

Dr H Marshall - Clinical Service Lead

Mr David Kelly
Matron Cardiac Services
Ward Managers
Clinical Nurse Specialists

Mr David Byrne
Group Manager
Cardiology Consultants

Mr David Byrne
Group Manager
Technical Services
Mrs Lisa Ball
The cardiology department has a 32 bedded ward for cardiac in-patients plus a 12 bedded CCU next to the cath labs for unstable / high dependency patients. There are 10 cardiology beds on the Ambulatory Care ward for short stay cases. There are 4 catheter laboratories with biplane imaging, a TOE room, 5 transthoracic echo rooms with Philips EPIQ 7 machines, 2 exercise rooms and a dedicated cardiac MRI scanner.

2.4 Research

The Wellcome Clinical Research Facility provides both clinical rooms, nursing care (both in and out-patient) and facilities including echocardiography, 24 hour ECG recording, exercise testing, fluoroscopy and haemodynamic monitoring, adjacent clinic and research rooms and IT support. There are also extensive basic science laboratory facilities on site. The Institute of Translational Medicine opened in September 2016 and houses the Rare Disease Unit, providing individualised clinical care for some of our most complex patients and the ACHD unit with unparalleled research opportunities. There is a dedicated research 3T Cobalt MRI scanner for research.

2.5 Education

There are regular ACHD meetings including medical and surgical MDTs, echo and MRI. There is a weekly Cardiology meeting where all juniors are encouraged to present and a monthly cardiology grand round and audit.

3. Details of Post

3.1 Clinical Duties

The post holder’s clinical duties will include 3 general ACHD clinics per week, ACHD imaging sessions, MDT meetings and ACHD in-patient care. There will be the opportunity for clinical duties to be tailored to meet the training needs of the successful candidate.

3.2 On-Call Activity

There is the option for the successful candidate participating in the cardiology on call rota.

3.3 Teaching

The Fellow would be expected to teach the more junior members of the team and medical students from the University of Birmingham

3.4 Research

The ACHD team is currently expanding its research involvement. The Fellow will have a dedicated weekly session developing a research interest. If they have not already undertaken Good Clinical Practice training for research they would be expected to do so.
3.4 **Personal Specification**

See appendix 1

4. **Terms and Conditions**

This post is appointed on the terms & conditions for Junior Specialist Doctors, a Trust devised training grade.

Basic salary levels for 40 hours of work are broadly commensurate with rates for StR3+ (JSD Higher). **The basic salary applicable to this post is £46,208**

A summary of the JSD terms is attached to the advertisement and full terms available on the Trust intranet.

5. **Further Information**

For further information please contact the consultants in ACHD:

Dr Paul Clift: 0121 371 4493
Dr Sara Thorne: 0121 371 4495.
Dr Lucy Hudsmith: 0121 371 4494
Dr Sarah Bowater: 0121 371 4493
# Appendix 1 - PERSON SPECIFICATION FORM

**Senior Fellow in Adult Congenital Heart Disease**

<table>
<thead>
<tr>
<th>TRAINING PROGRAMME REQUIREMENTS</th>
<th>ESSENTIAL</th>
<th>DESIRABLE</th>
</tr>
</thead>
</table>
| **Qualifications** | Primary medical qualification  
Full GMC registration  
MRCP or equivalent | MD or PhD in a relevant subject |
| **Clinical Experience** | Evidence of experience of ACHD.  
Having completed or nearing the end of a recognised training programme in adult cardiology.  
Transthoracic echo skills relevant to ACHD. | Ability to assess and manage adults referred for suspected congenital cardiac problems.  
Transoesophageal echo skills relevant to ACHD. |
| **Motivation** | A high degree of motivation and personal self-discipline | Evidence of successful project completion |
| **Personality** | Ability to function both as a member and a potential leader of a multi-disciplinary clinical team | |
| **Audit** | Commitment to an understanding of the principles of audit. | Practical experience in running clinical audit projects. |
| **Research** | An understanding of and commitment to research and evidence based practice in all aspects of medical care. | A proven track record in some field of research relevant to electrophysiology.  
Training in Good Clinical Practice (GCP) |
| **Management Ability** | Ability to manage applicants own time and work effectively, understanding of role and importance of management in the NHS.  
An understanding of clinical governance. | Evidence of management ability for example in organising and leading a clinical research team. |
| **Other Requirements** | This post requires an enhanced Criminal Records Check | |