



**INSTITUTE  
OF MEDICINE**

ROYAL COLLEGE OF  
PHYSICIANS OF IRELAND



## **ASPIRE Fellowship 2020**

### **E Health and The Transformation of Chronic Care**

The Institute of Medicine, RCPI & HSE NDTP are now seeking applications from suitable candidates for the following Aspire Fellowship in Epilepsy, E Health and The Transformation of Chronic Care.

- Post: The Epilepsy service in St James's with outreach to Beaumont hospital and Quarterly outreach clinics to Intellectual disability and Homeless services. 20% of time protected to engage with researchers in the academic institutions.
- Duration: 24 months
- Commencing: July 2020
- Eligibility: Available to doctors who have obtained CSCST within the last three years or have an expected CSCST in July 2020. Doctors eligible to be appointed into the NDTP Aspire fellowships must have completed their HST training within an RCPI Training Body. Fellowship focus on Chronic disease, speciality interest on epilepsy or neurology desirable but not mandatory.

### **Fellowship Details**

The ASPIRE fellowships are a programme of highly prestigious fully-funded post-CSCST Fellowship training opportunities that provide a candidate with a structured certifiable educational experience.

#### **Primary Lead/ assigned supervisor**

Colin Doherty MD FRCPI

cpdoherty@stjames.ie

#### **Goal of Fellowship**

The goal of this fellowship is to train a specialist to incorporate emerging areas of data and technology into the management of chronic disease. The fellow will gain skills in **digital health** and be prepared for the new environment of **the expert patient**. The fellow will gain experience in the delivery of **personalised care in the era of precision medicine** working with the patient as a collaborator with the interprofessional team. This fellowship is offered with the Epilepsy service however skills gained will be applicable to multiple chronic disease settings with the priority of delivering innovations in care to the most marginalised patients in our system including the Intellectually disabled, the homeless, and those the incarcerated.

The fellowship will prepare the trainee in the philosophy, outlook, transparency and digital acumen required to reform care. To this end the candidate fellowship will have no other duties other than to deliver on those promises.



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During the fellowship there will be available opportunities in several different projects and tracks. This will allow the successful candidate to identify their area of strength and interest within digital health, data analytics, patient co-deign etc. For instance, the basic delivery of care is already taken care of in what is predominately a nurse led and delivered service and so the candidate will have the opportunity to design what aspect of the above transformation most interests them. They will have 20% of their time protected to engage with researchers in the academic institutions to design a research project that interests them and will have an unlimited capacity to measures outcome and processes for Audit. We have taken care to embed 5% of the fellowship time to spend in the National Epilepsy Surgery programme in Beaumont in order to get exposure to the most complex epilepsy.

### Proposed Structure

The Epilepsy service in St James’s is predominantly an ambulatory service with main inpatient consultation service to acute medicine and other neurologists. The basic structure of the week is:

	Mon	Tues	Wed	Thurs	Friday
AM	eHealth Meeting FN @ RCSI	EEG reading	Med Student teaching and Weekly ops meeting	Epilepsy Consults	Beaumont Epilepsy Surgery Conference
Lunch	Journal Club	Team Lunch	Supervisors lunch	Teaching	Radiology MDT
PM	Epilepsy Consults/ward round	Rapid Access Clinic	Epilepsy subspecialty Clinic	Ward round Reading and writing	Epilepsy Consults

### In Addition, there will be:

1. One month in each year located at the Epilepsy Surgery Centre in Beaumont
2. Once a month virtual clinic in St James’s
3. A weekly research meeting at the e-health ecosystem in FutureNeuro located @ RCSI
4. Quarterly outreach clinics to Intellectual disability and Homeless services
5. Quarterly meetings at the research labs in the academic unit of neurology in TCD
6. Opportunities to take courses in health economics, data analysis and precision medicine, attend Epilepsy and Genomic medicine meetings
7. Opportunity for EEG and Sleep Study reading including LTM video-EEG.
8. Opportunities to attend SPR training days as appropriate



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### Speciality knowledge - Epileptology

1. General Principles underlying basic neurophysiology of epilepsy
2. Epidemiology
3. Aetiology
4. Investigations: EEG (including Video-EEG) and MRI, metabolic, biochemical and immunological biomarkers.
5. Precision Medicine and Epilepsy: Genomics and Pharmacogenomics
6. Personalised Care and Epilepsy: Patient meetings, co-design, Pathways of care, E-Health and digital care, health economics, patient adherence and safety.
7. Pharmacotherapy and Epilepsy.
8. Epilepsy Surgery/ device implantation and Epilepsy.

### Training requirements

There will be no log-book requirements, but the specialist will be expected to gain a broad knowledge of epilepsy including interpretation of EEG and Imaging data, pharmacotherapy, surgery and device implantation as well as gaining new skills in digital health, Data Analytics and patient co-design. The specialist will be expected to undertake a research project in one of these areas that will run over the length of the fellowship.

The specialist will participate fully in the work of the unit and will take a lead on MDT discussions and emergency interventions for ward consults including liaising with ICU and ED in the management of pathways of care including Status Epilepticus.

### Courses

Trainees have the option of attending higher specialist courses. Given that the specialist has already completed the HST programme then many courses available for HST may not be relevant and therefore the candidate will be encouraged to seek out courses they may not have taken previously including a further diploma in quality improvement or medical education. Suggested courses include Health Economics, Quality Improvement in Action and data

### Applications Timeframe

Applications close on 5pm Friday 20 March 2020 and interviews will be held on Thursday 26th March 2020. To apply interested candidates must submit the following to Ciara Buckley, RCPI (ciarabuckley@rcpi.ie)

1. An up to date Curriculum Vitae
2. Statement of interest
3. Confirmation of CSCST date

For further details please contact Dr Colin Doherty cpdoherty@stjames.ie