

**Further information regarding the  
Academic F1 programmes commencing  
August 2021**

## **CARDIFF AND VALE UNIVERSITY HEALTHBOARD**

### **Rotations AFP/001a, AFP/001b & AFP/001c**

#### **Based at University Hospital of Wales (3 vacancies):**

- **Cardiology – Dr Peter O’Callaghan**
- **Trauma & Orthopaedic Surgery/Orthogeriatrics – Dr Antony Johansen**
- **Intensive Care Medicine – Dr Benjamin Jones**

During this 12 month rotation there will be three 4-month placements in Cardiology (Dr P O’Callaghan), Intensive Care Medicine (Dr B Jones) and Orthopaedics & Orthogeriatrics (Dr A Johansen)

Flexible dedicated academic time of up to 2 days per week may be available to pursue a research or teaching interest. We are able to offer audit and Service improvement opportunities in all of the specialities.

#### **Cardiology**

The Academic FP1 doctor will form part of a team of doctors and senior nurses providing care for acute cardiology patients admitted to the Coronary Care Unit at the University Hospital of Wales. The CCU at UHW is the regional heart attack centre for SE Wales serving a population of 1.3 million people. The FP1 will take part in the admitting and assessment of patients with a wide spectrum of acute cardiology presentations including STEMI, acute pulmonary oedema, cardiogenic shock, atrial fibrillation with rapid ventricular rates and life threatening ventricular tachyarrhythmias. There are two consultant led ward rounds per day. The FP1 will actively participate in these ward rounds, presenting patients and discussing management plans in a supportive learning environment.

This post will give the trainee opportunities to perform practical procedures including participation in the weekly elective DC cardioversion list, venous and arterial cannula insertion and central line placement. The post holder is expected to attend a weekly ECG teaching session.

Finally the trainee will frequently get to witness end of life planning and have an opportunity to develop their communication skills with patients and families and observe the interactions of more senior colleagues.

#### **Orthogeriatrics**

The post is designed to provide a balanced portfolio of experience looking after frail older patients as their care moves across a number of disciplines and specialties:

- Acute orthopaedic intake on a 1:6 basis (without nights)
- Ward-based on a 19-bedded orthopaedic ward for patients in whom a fracture is just one component of medical/psychosocial frailty
- A focus on pre-operative assessment, optimisation and management
- A “frailty” model of care with comprehensive geriatric assessment (using a clerking protocol developed, audited, improved and re-audited by previous Academic F1s)

- Daily multidisciplinary team “board rounds” with ward multi professional team & daily ward rounds with a GP-VTS trainee and/or SpR in geriatrics
- Twice weekly consultant orthogeriatrician ward rounds
- Presentation at post-take joint surgical-orthogeriatric-anaesthetist consultant meeting
- 3 or 4 formal timetabled teaching sessions each week: radiology, orthopaedics, geriatrics, hospital grand round and medical unit round

## **Intensive Care**

The Academic F1 doctor will form a part of the cohort of junior doctors providing care for high risk postoperative patients on PACU critically ill adult patients. The PACU admits around 600 patients per year and the adult ICU admits around 1800 new critically ill patients per year and allows exposure to a great variety of acute medical and surgical pathologies.

The Academic F1 doctor will take part in admitting, prescribing, making management plans, interpreting special investigations as well as formulating management plans for patients. This post will give the trainee opportunities to perform practical procedures including venopuncture, arterial and central venous cannulation, chest drain insertion and CSF sampling. The advantage of the ICU placement is that procedures are undertaken under direct supervision of a senior trainee or consultant (day or night). This post also provides opportunities in honing communications skills with patients, relatives and other staff and is reliant on teamworking.

This post attracts up to 1.5 days per week of dedicated academic time, which is prospectively entered on the rota. The academic trainee is encouraged to meet the supervisor prior to commencing the post to establish their individual academic training needs. Where the doctor wishes to pursue an ongoing project or projects this is almost universally accommodated. Those trainees who do not present with an ongoing project have the opportunity to immerse themselves in:

- a. Multi centre research. The ICU has an active research department with on call research nurses allowing for 24/7 recruitment. Current trials include ASPIRE, SUPICU, ARGINOSIS and SPICE3 amongst others. Access to GCP training can be arranged.
- b. Working with the Educational Supervisor the trainee can obtain IQT Silver level training and initiate or contribute to QI activity within the directorate..
- c. Trainees who are pursuing Med Ed qualifications are supported with the time to complete these.

All trainees are expected to present at local and national meetings and most of our trainees succeed in publishing in peer reviewed journals.

For further information, contact:-

- Dr Peter O’Callaghan [Peter.O'Callaghan@wales.nhs.uk](mailto:Peter.O'Callaghan@wales.nhs.uk) for Cardiology
- Dr Antony Johansen [antony.johansen@wales.nhs.uk](mailto:antony.johansen@wales.nhs.uk) for Trauma & Orthopaedic Surgery/Orthogeriatrics
- Dr Benjamin Jones [benjaminjones@doctors.org.uk](mailto:benjaminjones@doctors.org.uk) for Intensive Care Medicine

## **Rotations AFP/002a, AFP/002b & AFP/002c**

**Based at University Hospital of Wales & Llandough Hospital (3 vacancies)**

- **Paediatrics – Dr Colin Powell and Dr Martin Edwards**
- **Intensive Care Medicine – To Be Confirmed**
- **Respiratory Medicine & Adult Cystic Fibrosis – Dr Ian Ketchell & Dr Jamie Duckers**

During this 12 month rotation there will be three 4 month placements in Chest Medicine & Adult Cystic Fibrosis, Intensive Care Medicine and Paediatrics.

### **Intensive Care Medicine**

The ICU rotation includes PACU. The Academic F1 doctor will form a part of the cohort of junior doctors providing care for high risk postoperative patients on PACU critically ill adult patients. The PACU admits around 600 patients per year and the adult ICU admits around 1800 new critically ill patients per year and allows exposure to a great variety of acute medical and surgical pathologies.

### **Respiratory Medicine & Adult Cystic Fibrosis**

The Adult CF part of this rotation provides insight into the workings of a full multidisciplinary team at the All Wales Adult CF centre. This post has a significant clinical input but provides training opportunities in current research and audit projects. There is also an opportunity to join the acute medical intake team for a 1-2 week period during the 4 months.

### **Paediatrics**

The Paediatric F1 post is a supervised clinical role in a busy tertiary level Children's Hospital and provides an excellent opportunity to gain clinical and academic experience of Paediatrics. During the 4 month placement F1's will be offered an opportunity to take part in paediatric research based in our Children and Young Adults' Research Unit. Current research projects include a prospective observational study on patient scoring systems, an RCT drug trial on treatment for status epilepticus, and a longitudinal study on the respiratory outcomes of children born preterm. There will be dedicated time in the rota to ensure that the academic F1 can undertake academic work on a regular basis over the 4 months of the placement.

For further information, contact:-

- Dr Colin Powell [powellc7@cardiff.ac.uk](mailto:powellc7@cardiff.ac.uk) and Dr Martin Edwards [Martin.Edwards4@wales.nhs.uk](mailto:Martin.Edwards4@wales.nhs.uk) for Paediatrics
- To be Confirmed for Intensive Care Medicine
- Dr Ian Ketchell [ian.ketchell@wales.nhs.uk](mailto:ian.ketchell@wales.nhs.uk) and Dr Jamie Duckers [Jamie.Duckers@wales.nhs.uk](mailto:Jamie.Duckers@wales.nhs.uk) for Respiratory Medicine & Adult Cystic Fibrosis

## **SWANSEA BAY UNIVERSITY HEALTH BOARD**

### **Rotations AFP/003a, AFP/003b & AFP/003c**

#### **Based at Morriston Hospital (3 vacancies)**

- **General Medicine / Endocrinology & Diabetes Mellitus**
- **General & Hepatobiliary Surgery**
- **Plastic Surgery**

This rotation comprises of a 12 month rotation in (i) General medicine incorporating care of the elderly, endocrinology and diabetes, (ii) General & Hepatobiliary surgery and (iii) Plastic surgery. Therefore, 4 months will be spent in each of these clinical areas. At the same time, 1-2 days of the week throughout the year (and each rotation) will be spent in academic research/teaching. Teaching opportunities will be available in the School of Medicine at Swansea University on the Graduate Entry Programme. Each candidate may chose which speciality they would like to pursue basic clinical/laboratory/service delivery based research during the 12 month period. There is flexibility and there are also common research areas across the specialities.

#### **General Medicine, Diabetes & Endocrinology**

During this post, the Clinical Supervision is undertaken by Professor Stephens and colleagues (Drs Boregowda, Udiawar, Chenna, Al-Hasani, Price, Husein), based on the Acute Medical Assessment Unit (AMAU). Professor Stephens will also a 12-month Educational supervisor. During the 4 month placement in general medicine, the Foundation doctor will be based on AMAU and will be actively involved in the Acute care of Medical patients and a key member of the Acute Medicine multidisciplinary team. The trainee will participate in daily board and clinical rounds and work with the AMAU team to gain an understanding of the physical, psychological, functional and social aspects involved in the provision of Acute Medical care. In addition the trainee will participate in the unselected acute take and be exposed to a wide variety of emergency presentations in a supported environment with on-site specialty services including renal, neurology, stroke medicine and cardiology. The trainee will be encouraged to present at speciality and grand round meetings and contribute to audit, quality improvement projects and the teaching of medical students on placement.

Prof Stephens has a research interest in diabetes, cardiovascular disease and obesity. The academic component will be 1-2 protected days/week throughout the year. Academic opportunities at the School of Medicine, Swansea University and Morriston Hospital will include:- (i) Clinical, basic or epidemiological based research within the Diabetes Research Unit (Diabetes, Obesity, Bariatric surgery, Devices) (ii) Contribution to teaching on the Graduate Entry Programme (iii) Option of undertaking a Certificate/Diploma in Medical Education (self funded) (iv) Involvement in diabetes phase 3 clinical trials. We have been successful during the past 9 years in supporting Academic F1 trainees and all have published papers, abstracts and 6 have completed a Certificate/Diploma in Medical Education. At least 5 trainees have also proceeded to Clinical Fellow and higher Academic training. In the past we have expected our trainees to:- (i) Present an abstract and attend at an international meeting (ii) Obtain 1-2 publications (iii) Contribute to teaching or obtain a Certificate/Diploma in Medical Education.

### **General & Hepatobiliary Surgery**

The Pancreatobiliary unit in Swansea is the centre for Wales and offers tertiary services for all patients from across mid and South Wales. The unit is involved in various national and international clinical trials and research projects. During this post you will join a large team and will gain experience in managing general and Pancreatobiliary surgical patients in a well supported and supervised environment. You will also participate in the general surgery on call rota to get exposure to acutely ill surgical patients.

Professor Al-Sarireh will be your clinical and educational supervisor during this placement. Professor Al-Sarireh has a research interest in Pancreatic malignancy and General surgery and has a research group based at institute of life science in Swansea University. Also there is opportunity to be involved in clinical research within the Pancreatobiliary unit. As described above the successful candidate will be supported throughout the year by the three education supervisors to achieve their academic ambitions.

### **Plastic Surgery**

#### **Plastic and Reconstructive Surgery**

The trainee will join the largest Plastic & Reconstructive Surgery Research Group in the United Kingdom, with the chance to train in one of the busiest clinical units in the UK. The Educational/Research Supervisor is Professor Iain S Whitaker, with Clinical Supervision

being led by Mr Nick Wilson-Jones. During the 4 month placement, depending on the interest of the candidate, there is the opportunity to be involved in Laboratory based research, clinical trials, health informatics based research or patient reported outcome measures. The trainee will participate in daily ward rounds, have exposure to outpatient clinic work and acute care and work with the team to gain an understanding of the surgical, physical and social aspects involved in providing holistic care for the broad range of plastic surgery patients (from acute burns, cancer, hand injuries and major trauma through to aesthetic surgery) The trainee will participate in the acute take and be exposed to a wide variety of emergency presentations in a well supported environment.

Prof Iain Whitaker has a research interest in Tissue Engineering & 3D Bioprinting, Clinical Trials, the use of Patient Reported Outcome Measures in Plastic Surgery and the role of 'Big Data' in Plastic Surgery research. He has multiple institutional collaborators (both nationally and internationally) in addition to industry support towards clinical translation. The successful trainee will be well supported as Professor Whitaker is one of only 5 Consultant Surgeons in any specialty in the UK Supported by the Royal College of Surgeons for his Academic work in 2017. He sits on the British Association of Plastic, Reconstructive and Aesthetic Surgery (BAPRAS) Research Council and in addition to being the Deputy Editor of Europe's Largest Plastic Surgery Journal (JPRAS), sits on 3 of the Worlds other largest 4 Editorial Boards in Plastic Surgery.

The academic component will be 1-2 protected days/week throughout the year. The successful candidate will join the largest Plastic Surgery Research Unit in the UK, The Reconstructive Surgery And Regenerative Medicine Research Group ([www.reconregen.com](http://www.reconregen.com)) consisting of 1 Chair, 1 Senior Lecturer, 3 Hon.Sen.Clinical Lecturers, 3 Post Doctoral Researchers, 6 Clinical Lecturers (PhD Students), 1 MD Candidate, 1 MSc Candidate and 2 Graduate Entry Medical Students. The team has been successful during the past 5 years in supporting Welsh Clinical Academic Trainees and Research Registrars with over 50 publications, 100 abstracts, 5 books, and over £3 Million in funding from the Medical Research Council, Welsh Assembly Government, Royal College of Surgeons, British Association of Plastic, Reconstructive and Aesthetic Surgeons, Oakgrove Medical Trust and the St David's foundation. The Swansea based research team is truly multidisciplinary and includes both clinicians and Scientists with backgrounds in Cell Biology, Biomaterials, Engineering, Rheology, Health Informatics, Public Health, Big Data Analysis, Statistics and Clinical Trial Organisation. There are also

national and international collaborations ongoing alongside those with Industry targeted towards clinical translation.

We expect our trainees to:- (i) Present at both national and international meetings (ii) Obtain several publications (iii) Contribute to departmental teaching iv) Develop the skills, experiences and networks to pursue an active and successful clinical-academic training programme.

The Candidate will be able to choose from 3 main topics to base his /her research experience on. The clinical applications follows in parentheses.

(i) Mesenchymal Tissue Engineering & 3D Bioprinting (Facial Reconstruction)

*In 2017 alone, Professor Whitaker and his team Won the Clarke Medal from the Royal College of Surgeons and authored the Class Leading reference text on 3D bioprinting. '3D Bioprinting for Reconstructive Surgery, Techniques and Applications' Elsevier. Professor Whitaker is supported by both BAPRAS and the RCS for this ongoing research and One of the Clinical Lecturers has recently won an MRC Clinical Research Training Fellowship and a Fullbright Scholarship to visit Harvard Medical School.*

(ii) Patient Reported Outcome Measures (Keystone Flaps & Facial Reconstruction)

*There are two ongoing clinical trials in this area which both have ethical approval and are in the recruiting phase. (OPRASK and PROMISCHR)*

(iii) The applications of 'Big Data' in Plastic Surgery (Skin Cancer Service Planning)

*This is a collaboration with the MRC Farr Institute with proposals in place for a wide range of projects involving skin cancer.*

Each option will be supported by Professor Whitaker, a Clinical Lecturer and relevant multidisciplinary staff at Swansea University (+Post Doctoral Researchers in the case of option i.). For more information contact Professor Iain Whitaker [iainwhitaker@fastmail.fm](mailto:iainwhitaker@fastmail.fm) and visit the Reconstructive Surgery and Regenerative Medicine Research Group Website <http://www.reconregen.com>

**For more information contact:**

**Prof Stephens** [J.W.Stephens@Swansea.ac.uk](mailto:J.W.Stephens@Swansea.ac.uk)

**Professor Al-Sarireh** [bilal.al-sarireh@wales.nhs.uk](mailto:bilal.al-sarireh@wales.nhs.uk)

**Professor Iain Whitaker** [iainwhitaker@fastmail.fm](mailto:iainwhitaker@fastmail.fm)

**Or visit the Institute of Life Sciences Swansea website:**

**<http://www.swansea.ac.uk/ils/>**

## **BETSI CADWALADR HEALTHBOARD (EAST DIVISION)**

**Rotation AFP/004a, AFP/004b, AFP/004c**  
**Based at Wrexham Maelor Hospital**  
**(3 vacancies)**

- **Urology – Mr Iqbal Shergill**
- **General Surgery/Breast Surgery – Mr Tim Gate**
- **General Internal Medicine/Gastroenterology/Hepatology – Mr Thiriloganathan Mathialahan**

For majority of the week, the post-holder will carry out basic science research investigating the haemostatic and inflammatory response after urological surgery –correlating this with clinical outcomes.

There is a choice of studies – prostate biopsies, Nephrostomy v JJ stenting, bladder cancer, prostate cancer, BPH and kidney stones. The Academic FY Doctor will be fully integrated into our active (fully funded) North Wales Clinical Research Centre. The post-holder will become competent in basic haematological testing, clinical chemistry analysis, ELISA, PCR, Western Blotting and Flow Cytometry. The research is already adopted onto the clinical research portfolio for Wales.

If interested, we will fund the post-holder to register on a one year postgraduate research degree (MPhil) at Glyndwr University. Based on our recent track record, findings will be published in urology peer-reviewed journals and at national/international conferences (e.g. Welsh Urology Society & British Association of Urological Surgeons). We are also prepared to provide additional funding for the post-holder to attend good clinical practice in research course and conferences to present clinical and scientific work - from our urology research and training fund.

The post-holder will also attend consultant led ward rounds, to allow them to assess elective and emergency admissions, and all post-operative patients. They will be supervised in dealing with common urological post-operative complications, including recognition, assessment and immediate management of uro-sepsis. Competence will be achieved in all core procedures, especially urethral catheterisation. The post-holder will also attend regular urology outpatient clinics to learn how to assess and manage patients with chronic conditions (BPH/kidney stones). The outpatient clinic will allow ample opportunity to recruit patients to the basic science research element of the post, in conjunction with healthcare and research wales nurses - supervised by consultant. If they wish, the Academic FY can also further integrate into the wider urology team, by attending nurse led clinics (stable prostate cancer follow up), as well as continence clinics (catheter changes and flowrate/bladder scanning) and counselling clinics for newly diagnosed prostate cancer patients. The clinical component will be 100% supernumerary.

	<b>AM</b>	<b>PM</b>
Monday	Research Clinic 0900-1230	Research Lab 1330-1700
Tuesday	OR Sample collection and Lab 0900-1230	Stones MDT Recruitment 1230-1330
Wednesday	Oncology MDT Recruitment 1000-1100	HALF DAY
Thursday	Admin 0900-1230	Research Clinic 0900-1230
Friday	OR Sample Collection and Lab 0900-1230	OR Sample Collection and Lab 0330-1700

The rotation includes clinical posts in Gastroenterology and Breast Surgery, with significant exposure to acute ill patients in Medicine and Surgery

For further information, contact:-

- Mr Iqbal Shergill [iqbal.shergill@wales.nhs.uk](mailto:iqbal.shergill@wales.nhs.uk) for Urology
- Mr Tim Gate [tim.gate@wales.nhs.uk](mailto:tim.gate@wales.nhs.uk) for General Surgery/Breast Surgery
- Mr Thiriloganathan Mathialahan  
[THIRILOGANATHAN.MATHIALAHAN@wales.nhs.uk](mailto:THIRILOGANATHAN.MATHIALAHAN@wales.nhs.uk) for General Internal  
Medicine/Gastroenterology/Hepatology