## Academic Clinical Fellowship in

### Description of ACF Programme:

<table>
<thead>
<tr>
<th>Title:</th>
<th>Medical Oncology</th>
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<tr>
<td>Duration:</td>
<td>3 years</td>
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### Lead NHS Hospital/Trust and contact details:

| University Hospitals Southampton Trust |
| Department of Medical Oncology |
| Southampton General Hospital |
| Southampton |
| SO16 6YD |

Dr Andrew DAVIES  
Cancer Research UK Senior Lecturer and Honorary Consultant  
023 8079 6184  
a.davies@southampton.ac.uk

### Research Institution in which training will take place:

| Name: University of Southampton |
| Address: Cancer Sciences Unit, Faculty of Medicine, University of Southampton |
### Somers Cancer Building
Mailpoint 824
Southampton General Hospital
Southampton
SO16 6YD

### Arrangements for protected research time:

The post will cover 2 years and 3 months of clinical training, at the end of which 9 months of protected research time will be used to learn research methodology and prepare for a Clinical Research Fellowship application and preparation for a higher degree. Clinical duties will be back-filled by a LAT. The job description will ensure protected research time for this individual who will be an addition to the existing middle grade team during the final 9 months. It is expected, consistent with the Integrated Academic Training programme that the ACF will compete for a Clinical Lecturer post on completion of their higher degree.

### Research Objectives:

The objectives of the training programme are for the trainee, over three years:

1. To undertake the equivalent of 27 months of full-time specialist training in medical oncology in accredited hospital posts and a total of 9 months within an appropriate Research Division in the University of Southampton Faculty of Medicine over a 3 year period.

2. To undertake generic research methods training through a programme run by the Faculty of Medicine’s NIHR Postgraduate School.
3. To develop a research proposal for an externally funded research training fellowship

4. To obtain relevant training in research design, methods and systematic review.

5. To submit applications for research training fellowships in national competition such as MRC, Wellcome Trust, National Institute of Health Research & CRUK.

Description of research component of programme (up to 500 words):

The research component of this post will be conducted in the Cancer Sciences Unit (CSU) of the University of Southampton, Faculty of Medicine. The bulk of the CSU is housed in modern well equipped laboratories in the Somers Building and the Tenovus Cancer Building on the Southampton General Hospital Site. A new Clinical Trials Unit was established in 2006 with core funding from Cancer Research UK. Southampton is a Cancer Research UK Clinical Centre. Core funding to the division also comes from programme grants from the Leukaemia Research fund, Cancer Research UK, the Tenovus Cancer Charity, with major infrastructure support from the Department of Health via the Experimental Cancer Medicine Centre. It is a Leukaemia and Lymphoma Research Centre of Excellence and member of the charity’s Therapies Acceleration Programme. The mission of the Unit focuses on the synergy of excellence in clinical and basic research, delivering high quality translational programmes to improve cancer treatment. Current research strengths focus on cancer immunology and immunotherapy and the molecular mechanisms of malignancy. All groups within the division have strong collaborative links with basic medical scientist as well as to the well-organised multidisciplinary teams in clinical practice in the Southampton Cancer Centre.

The CSD has a has extensive experience of matching students to projects, both full-time and part-time, clinical and non-clinical. Career tracking is a priority of the Division’s Executive Group and the track record of Clinical Trainees passing through the Division is one of excellence.

The ACF will spend 9 months embedded within a group with in CSD. It is anticipated that they will remain within this group and apply for a Clinical Research Fellowship, having
acquired basic laboratory skills, critical evaluation and preliminary data. During the first 2 years, the ACF will have an opportunity to interact with Group Leaders in order to plan their period of research and to refine their interests. The trainee will work closely with their academic supervisor to assess and direct their learning needs. They will have the opportunity to attend a variety of courses to gain core research skills.

**Description of clinical component of programme (up to 500 words):**

The ACF will gain broad experience of non surgical cancer management during the first two years and 3 months. This will include experience in administration of both outpatient and inpatient chemotherapy, including high dose treatments with haemopoietic progenitor cell rescue. Training will be provided in all aspects of chemotherapy administration and will include assessment of response to treatment, the management of toxicities of treatment and complications of malignant disease. In addition, the ACF will gain experience of both radiotherapy and palliative medicine. During the first two years the post will rotate in order to give a broad general experience. They will gain both inpatient and outpatient experience and will be expected to assist in the supervision of junior medical staff and be responsible for day to day management of inpatients. Skills already learned and practical procedures such as chest drains, lumbar puncture etc will be reinforced during this period. There are weekly multidisciplinary meetings for most tumour sites which trainees are expected to attend as part of their clinical attachment.

During their training they will have the opportunity to attend Clinical Oncology clinics and gain experience of the appropriate use of radiotherapy in the treatment of malignant disease, its effects and complications.

They will be required to attend the taught course in Oncology at The Institute of Cancer Research, a day-release modular programme leading to a Postgraduate Certificate, Postgraduate Diploma or MSc in Oncology. The overall aim of the course is to encourage proactive problem solving and reflective approaches to medical or clinical practice, producing graduates who are well equipped with the highly refined intellectual, scientific and clinical skills necessary for leadership careers in twenty-first century oncology. This course will fulfill many of the aims of the Medical Oncology Core Curriculum. At the end of the initial clinical training it is expected that they will have acquired a sound knowledge of basic cancer science, the aetiology and prevention of cancer, its clinical features and treatment and aspects of supportive care and palliative medicine.

Experience will be gained in the care of patients in phase I, II and III trials and it is
anticipated that the ACF will be involved in the initial development of clinical trial protocols, and the coordination of trials, recording and reporting of results. A dedicated and fully-staffed Wellcome Trust Clinical Research Facility is also located in the hospital immediately adjacent to the Medical Oncology ward, for the conduct of early phase clinical trials work.

The trainee will also be expected to develop a clear understanding of the regulatory process of clinical trials and participate in the peer review of clinical trials. For multi-centre trials they will be expected to attend investigator meetings in order to discuss the trials with participants from other centres. The trainee will be expected to work closely with the clinical research team of research nurses and clinical trials associates. With increasing experience they will be expected to take full responsibility for conduct of the studies and planning new ones. In addition, they will be expected to present the results of clinical research projects both locally and at national and international meetings as appropriate. Publication of the results in peer reviewed journals is expected. The Cancer Research UK Clinical Centre includes a Clinical Trials Unit, a Data Office and a team of research nurses. These members of staff along with senior medical staff will provide appropriate support and supervision.

The ACF post holder will be encouraged to develop an area of site specialist interest. The Unit treats a large number of patients with most major tumour sub types and will therefore offer the opportunity to specialize in one of a number of tumours including breast cancer, lymphoma, urologic malignancy, germ cell tumours, gynaecological cancer, gastrointestinal cancer and lung cancer. They will be able to sub specialise in one or more of these areas and will be given an active role in the development of Unit protocols and of the clinical trials activity.

The ACF will be expected to attend certain management courses during their year period of employment. These will provide education in various aspects of management, including hospital management, financial management and contracting, information technology, interviewing and selection, and dealing with litigation and other complaints.

They will be encouraged to attend Directorate meetings and will be required to participate in clinical governance procedures including audit and the development of clinical guidelines.
Many students spend their 5th year module attached to the Unit. The ACF will be required to undertake some ward teaching of medical students and training of junior medical staff in preparation for the MRCP examination. In addition, the Unit has responsibility for 4th year studies in depth, the scientific basis of medicine course and the 3rd year oncology module. They will be expected to assist in these teaching activities. A course in Oncology for qualified nurses is conducted two yearly and they will be involved in the programme of lectures for this course. Frequent postgraduate meetings and medical grand rounds take place to which the Unit regularly contributes and they will be expected to participate in these.

Throughout the period of clinical training there will be a commitment to out of hours cover. This will be voluntary during the research period.

Specific support provided to trainee

- 30 days study leave in years 1 and 2 to attend the ICR MSc in Oncology.
- Experience in a Consultant led clinical service exposing to a wide variety of tumour types.
- Excellent Clinical, Educational and Academic Supervision
- Training in clinical trials set-up, governance and management. Exposure to many novel agent studies.
- Interaction with World class researcher in the Cancer Sciences Unit and ability to choose project to their best fit
- Ability to attend a range of courses applicable to research methodology
- Academic meetings held in Cancer Sciences Unit
### Milestones and timing of achievement of academic and clinical competencies

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<th>Year 1</th>
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<tbody>
<tr>
<td>1. Full time clinical duties: achieve clinical competencies required for stage of training in Medical Oncology</td>
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<td>2. Complete year 1 of MSc Oncology course</td>
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<td>3. Identification of topic of interest for research project and initial literature review.</td>
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<td>4. Identification of specific learning needs for the project and appropriate courses.</td>
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<td>5. Attendance at appropriate NIHR Training Programme courses and meeting</td>
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<th>Year 2</th>
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<tr>
<td>1. Full time clinical duties: achieve clinical competencies required for stage of training</td>
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<tr>
<td>2. Complete year 2 of MSc Oncology course</td>
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<td>3. Identification of research supervisor and project. Acquisition of knowledge of prior art</td>
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<td>4. Academic competencies in utilising current software for database building, statistical analyses and reference management; understanding principles of data handling, confidentiality and sharing for pilot study data collection; processing, cleaning &amp; analysis of data in collaboration with existing studies; submitting applications within the research governance framework.</td>
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<tr>
<td>5. Obtaining ethical committee and NHS Research &amp; Development proposals for exploratory project if required.</td>
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<td>6. Attendance at relevant internal and external training courses.</td>
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<th>Year 3</th>
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<tr>
<td>1. 3 months of clinical duties: Pro rata attainment of clinical competencies as deemed appropriated by ARCP panel</td>
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2 | 9 months: Full time research. Core skills in research methodology and project specific competencies.

3 | Application for Clinical Research Fellowship

| | |

How post links in to the NIHR approved Research Training Programme at your locality:

Mandated attendance at NIHR training programme courses provided by the Faculty covering aspects such as trial design, GCP, statistics, grant and paper/abstract writing, time management etc. Attendance and presentation at host Academic Trainees meetings.

Trainee centredness:

The trainee will have a personalised academic training plan that articulates with the clinical training plan. The last 9 months of the programme will be protected full time research with no clinical commitments. The trainee will meet regularly with their Academic Supervisor to ensure that goals are being met in addition to regular Educational Supervisors meetings.

Quality assurance of the programme:

- Regular review from Academic Supervisor, reporting in the Head of the Unit and Academic Training Lead for University.
- Feedback from Clinical and Educational supervisors along with structured feedback provided by the MSc Oncology course Tutors and Director provided by the Institute of Cancer Research.
- Successful transition at ARCP and feedback from Programme Training Director.
- Required completion of NIHR courses and course work through accredited modules.
- Academic outputs of trainee including presentations, papers and successful completion of application for Clinical Research Fellowship.

We are the Local Education and Training Board for Wessex.
### Mentoring Arrangements:

The trainee will be at liberty to choose an appropriate academic mentor with the approval of the Academic Supervisor. This would typically be from an individual within the CSU but may be provided by an alternative individual from the Faculty under the governance of arrangements for postgraduate research at the University of Southampton’s Faculty of Medicine. This will include mentorship through supervision of emerging PhD programmes, and senior authorship of research fellowship applications to major funding agencies.

### Academic Lead (University) for the IAT Programme:

**Professor Eugene Healy**  
Professor of Dermatology  
University of Southampton  
Southampton General Hospital  
Southampton SO16 6YD  
Tel 023 8077 7222  
E.Healy@soton.ac.uk

### Academic Supervisor (University) Details:

**Name:** Dr Andrew Davies  
**Position:** Cancer Research UK Senior Lecturer in Medical Oncology  
**Address:** Cancer Sciences Division  
University of Southampton, School of Medicine  
Somers Cancer Building  
Mailpoint 824
Southampton General Hospital
Southampton
SO16 6YD
Telephone: 023 8079 6184
Email: a.davies@southampton.ac.uk

Education Supervisor (Trust) Details:

Name: Dr Matthew Wheater
Position: Consultant Medical Oncologist
Address: Department of Medical Oncology
    University Hospitals Southampton Trust
    Level D, East Wing
    Mailpoint 307
    Southampton General Hospital
    Southampton
    SO16 6YD
Telephone: 023 8079 8639
Email: matthew.wheater@uhs.nhs.uk
### Clinical Supervisor(s) Details:

Clinical supervision will be provided by the Consultant Medical Oncologists through which the ACF will rotate through during clinical training. Exposure to a broad range of tumour types will be provided during their 2 year 3 month rotation.

Consultants in Medical Oncology:

- Dr J Cave MD MRCP, NHS Consultant
- Dr S Crabb MB BS PhD, Cancer Research UK Senior Lecturer
- Dr E Copson, MB BS PhD, NHS Consultant
- Dr A Davies MRCP, PhD, Cancer Research UK Senior Lecturer
- Dr C Green BSc MB BS MRCP, NHS Consultant
- Professor P W M Johnson MA MD FRCP, Professor of Medical Oncology
- Dr T Iveson MD FRCP, MacMillan NHS Consultant, Honorary Senior Lecturer
- Professor C Ottensmeier PhD, FRCP, CR UK Professor of Experimental Oncology
- Dr C Rees MD MRCP, NHS Consultant
- Dr P Simmonds MB BS FRACP, NHS Consultant, Honorary Senior Lecturer
- Dr Matthew Wheater, MB BS MRCP PhD, Consultant Oncologist
- Dr Luke Nolan, MB BS MRCP PhD, Consultant Oncologist

### Deanery Programme Training Director Details:

Name: Dr Charlotte Rees  
Position: Consultant Medical Oncologist and Wessex Medical Oncology Programme Director  
Address: Department of Medical Oncology  

    University Hospitals Southampton Trust
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<tr>
<th><strong>Level D, East Wing</strong></th>
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<tr>
<td>Mailpoint 307</td>
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<tr>
<td>Southampton General Hospital</td>
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<td>Southampton</td>
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**Telephone:**

**Email:** Charlotte.Rees@uhs.nhs.uk

### Deanery Programme Manager Details:

<table>
<thead>
<tr>
<th>Mrs Elizabeth Martin</th>
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<tbody>
<tr>
<td>Training Programme Manager for Medicine</td>
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<td>Wessex Deanery</td>
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<tr>
<td>Sparrowgrove</td>
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<td>Tel: 01962 718432</td>
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<tr>
<td>Fax: 01962 718401</td>
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<tr>
<td>Email: <a href="mailto:elizabeth.martin@nesc.nhs.uk">elizabeth.martin@nesc.nhs.uk</a></td>
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### Confirmation that ACF posts attract an NTN(a):

This post will attract a NTN