



Post-doctoral Scientist in Epigenetic mechanisms of NAFLD (Ref: RS33a)

Job Description

Post title:	Post-doctoral Scientist
Salary range:	£34,960 - £36,440 (including London allowance)
Location:	The Institute of Hepatology, Foundation for Liver Research, 111 Coldharbour Lane, London, SE5 9NT
Responsible to:	Dr Neil Youngson, Principal Investigator Epigenetic mechanisms of Non-Alcoholic Fatty Liver Disease
Duration:	The post will be funded for 3 years.

Background:

Non-Alcoholic Fatty Liver Disease (NAFLD) has become the most common chronic liver disease in industrialised countries, with 20-30% of all adults affected. NAFLD can progress to advanced liver fibrosis resulting in cirrhosis, liver failure and the need for liver transplantation as well as increased risk for liver cancer. The pathobiology of NAFLD progression to advanced liver disease is not fully understood. We aim to investigate the involvement of diet and metabolism in driving epigenetic changes associated with liver gene dysregulation in NAFLD. The ultimate aim is to identify new dietary, lifestyle and pharmacological approaches to combat NAFLD.

The Foundation for Liver Research is seeking an enthusiastic, flexible and committed scientist to explore the role of epigenetics in NAFLD in cell-line and mouse models as well as patient samples. Applications are invited from postdoctoral scientists with a proven scientific interest and publication track record in this area. The post holder will be required to proactively design and run experiments; record, analyse and publish in high impact peer reviewed journals, and participate in educational programmes within the Institute.

The following skills and attributes are required for the post-doctoral position:

Essential skills:-

- PhD in metabolism, epigenetics or liver disease, with excellent academic track record
- Hands on experience with cell-culture and molecular biology techniques
- Laboratory-based research experience in DNA, RNA and protein assays
- Experience of working with next-generation sequence data

- Excellent organisation skills and the ability to work independently
- Good publication record in leading peer-reviewed journals
- The ability to prepare data for publication including statistical analysis
- Experience of cross-discipline collaboration
- Proven ability to work with colleagues and initiate multi-disciplinary projects
- Ability to present research findings at internal, national and international meetings
- Good interpersonal skills that demonstrate the ability to establish and maintain effective working relationships with students, staff, peers and management
- Commitment to Health and Safety
- Excellent communication skills in English

Desirable skills:-

- Experience of working with rodents
- Ability to process and analyse next-generation sequence data
- Previous success in gaining research grants
- Experience in fluorescence microscopy or live cell imaging

The appointee will be expected:-

- To design, set-up and run experiments in relation to the project after consultation with the Principal Investigator to effectively record, analyse, acquire and write-up results
- To perform laboratory-based assays on cells and tissues from rodent models and patients
- Contribute to internal meetings and external national and international hepatology meetings
- Contribute to the preparation and drafting of research bids and proposals
- Provide training, support and advice to graduates, post-doctoral scientists and research technicians
- Participate in collaborative research projects
- Undertake GCP and HTA training to facilitate appropriate interaction with hospital staff and patient participants from who research samples are derived
- Publish research findings in peer-reviewed international journals
- Contribute to overall activities of the Institute
- Any other duties commensurate with the grading of the post as required by the Principle Investigator, Chief Scientific Officer and Director

The post is offered for a period of three years. As part of the appointment with the Foundation for Liver Research the appointee will be put forward for an honorary appointment with King's College London.

Informal enquiries should be made to:

Dr Neil Youngson: n.youngson@researchinliver.org.uk

Application process:

To apply for this post please send a 1-page covering letter explaining your background and suitability for our team, together with a detailed CV describing your research experience to

date and including names and contact details of two referees, one of whom is the current/most recent employer, to:

Natalie Day, Chief Administrative Officer
Institute of Hepatology, London
111 Coldharbour Lane, London SE5 9NT

n.day@researchinliver.org.uk

Please quote Job Ref: 33a

In the event that you are invited for interview we will contact you by email confirming the arrangements. At interview candidates will be expected to give a short presentation summarising their research achievements to date and outlining possible research directions.

Due to current UK immigration restrictions the Foundation can only accept applications from EU nationals and individuals with existing permission to work in the UK.