Job Description

Job Title	**Research Technician**
Group	Liver Regeneration
Reporting to	Dr Luca Urbani
Duration	1 year initially
Salary	£25,117 per annum (inc of London Allowance)
Summary of post	To provide technical support for laboratory research within the group with particular focus on isolating human primary cells, tissue culture and decellularization. To provide general assistance with experiments within the group, research documentation, health and safety issues, laboratory and equipment maintenance.
CLOSING DATE:	**4pm Thursday 4th May 2017**

Foundation for Liver Research

The Foundation for Liver Research was established in 1974 to develop and extend research into diseases of the human liver. For over 30 years the Foundation has supported ground-breaking research programmes into liver disease including much of the early pioneering work at King's College Hospital into liver transplantation and acute liver failure, under the direction of Professor Roger Williams, CBE. Major areas of research during the past 5yrs have included viral hepatitis, hepatocellular carcinoma, complications of cirrhosis, liver support devices, and the mechanisms underlying susceptibility to infection. The Foundation is involved in a number of international research programmes. Further information on the Foundation can be obtained at: http://www.liver-research.org.uk

Institute of Hepatology

The Institute of Hepatology, London, relocated in 2016 to a new-build research facility on the Denmark Hill campus of King's College London. With 1000m^2 of research space, the Institute has

class II and class III containment laboratories and a number of specialist rooms. Research is organised around major research projects within the overall theme of *Liver Cell Injury and Repair.* In particular, our scientists are focusing on the mechanisms of cell injury caused by the 3 main causes of liver disease: alcohol, obesity and viral hepatitis.

Description of the role

The Foundation for Liver Research is seeking an enthusiastic, flexible and committed research technician to assist existing group members who are involved in laboratory based studies aimed to develop novel tissue engineering techniques to identify innovative therapeutic treatments and study of the progression of liver diseases and injury.

The specific responsibilities/duties of the role are as follows:-

- To liaise, assist and interact with group members to perform and optimise isolation of different primary cell populations from human liver samples. This will include setting up experiments and preparing reagents.
- To culture, characterize and cryopreserve primary cell lines from patients with or without liver disease.
- To develop decellularization techniques to obtain natural derived scaffolds for tissue engineering purposes.
- To maintain and operate equipment and instruments used by the research group.
- To advise academic staff, research staff and students in the practical and safe operation of equipment and reagents, including preparation of risk assessments and operating procedures.
- To establish, organise and maintain accurate records of clinical samples, laboratory reagents, and equipment.
- To purchase laboratory reagents, equipment and maintain supply chains.
- To organise shipments and co-ordinate deliveries to collaborators via external couriers.
- To undertake specific safety responsibilities relevant to the group's work.
- To grow and maintain banks of cell lines using aseptic techniques.
- To keep detailed, accurate and comprehensible records of experimental plans and work and to communicate developments and results to colleagues on a regular basis.
- Job descriptions cannot be exhaustive and the post-holder may be required to undertake other duties which are broadly in line with the above key responsibilities.

Informal enquiries should be made to Dr Luca Urbani Luca.urbani@researchinliver.org.uk

For a copy of the full Job Description please go to: http://www.liver-research.org.uk/jobopportunities/rs6jd.html

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, Head of Administration
Institute of Hepatology, London
111 Coldharbour Lane, London SE5 9NT

n.day@researchinliver.org.uk

Quote Job Ref: RS24

In the event that you are invited for interview we will contact you by email confirming the arrangements.

Please note: 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.

PERSON SPECIFICATION: Research Technician

	Essential	**Desirable**
Qualification/Training	BSc in biological science or a related subject	MSc
Experience/ Knowledge	Experience of working in a laboratory environment Experience of preparing regents and performing basic laboratory techniques. Willingness to work with biological specimens Evidence of ability of prioritise and manage multiple tasks Experience of general laboratory maintenance and organisation	Experience with primary cell isolation, culture, characterisation and cryopreservation. Experience with immunohistochemistry, immunofluorescence, sectioning, imaging. Experience with tissue engineering and decellularization techniques. Experience of working in containment level 2 and 3 laboratories Experience of database management Knowledge of liver disease Knowledge of statistics and use of statistical software Experience of ordering of reagent and consumables
Skills/Abilities	Ability to quickly learn new laboratory assays and research techniques	Cell culture, PCR, ELISA, immunohistochemistry, Flow cytometry, imaging.

	Proficient IT skills including spreadsheet, presentation and word processing software Organised and methodological approach to upkeep of records Excellent oral and written communication skills	Familiarity with health and safety documentation.
Personal Qualities	Motivated and strong desire for excellence. Attention to details. Enthusiasm to work as part of a multi-disciplinary team.	