Postdoctoral Fellowship

Human hematopoietic development and disease modeling Lab - Andrea Ditadi

One post-doctoral position is available in the laboratory of Dr. Andrea Ditadi at the SR-TIGET in Milan. Our lab combines developmental cell and molecular biology to understand normal and pathological human hematopoietic development, with a particular interest in studying the genetic origins for blood disorders and developing novel strategies for their treatment.

The successful candidate will be in the unique position to integrate stem cell biology, immunology and neuroscience to study **human microglia development and functions** at the molecular and genetic level **using hESCs/hiPSCs** and **mouse models**. This project entails the use of CRISPR-Cas9 genome editing, *in vitro* and *in vivo* assays and genomics. The position is open for a proactive self-motivated postdoctoral fellow, holding a PhD degree in molecular and cell biology, biochemistry or relevant field for no more than 4 years. The ideal candidate should have a strong background in immunology and/or neuroscience, cell biology and molecular biology, flow cytometry and have documented research experience in competitive labs, excellent communication and multi-tasking skills, and be team-oriented. Proficiency in in oral and written English is a must, while competence in bioinformatics and epigenetics is a significant asset but not required. The position can start on April 1st at the earliest and is available for three years.

Milan is a vibrant international city and is an excellent location for arts, commerce, design, entertainment, fashion and gastronomy. The host institution (Ospedale San Raffaele) is one of the leading research institutes in Italy. We offer excellent working conditions, including a highly competitive salary, state-of-the-art facilities and infrastructures (Next-Generation Sequencing, Cell Sorting and Imaging, Animal Facilities, GLP laboratories), and direct access to clinically relevant human samples. SR-TIGET is a world-leading Institute in the areas of gene and cell therapy for the treatment of human genetic diseases; thus, our projects benefit from close collaborations with active clinicians and are expected to accelerate the development of techniques that could be translated to the clinic.

Informal enquiries and applications can be sent to Dr. Andrea Ditadi (ditadi.andrea@hsr.it) describing briefly career goals and including CV and contact information for 2-3 references.