

Research Assistant in MR image processing

The Molecular Imaging Center (CIM) in Turin, Italy, is a center of excellence in molecular imaging (<http://www.cim.unito.it/website/index.php>). It is affiliated to the Department of Molecular Biotechnology and Health Sciences (DMBHS) at the University of Turin. Our goal is to develop new imaging probes and procedures to characterize tumor microenvironment, to assess treatment response and to visualize specific signatures of cancer and other diseases. To support the CIM scientists in their research activities we are looking for a

Research Assistant in MR image processing

Principal Duties and Responsibilities

- Run and maintain a medical image database based on XNAT (www.xnat.org)
- Develop Magnetic Resonance images processing tools (in C++ and Matlab)
- Closely interact with the users of the imaging facility to optimize results
- Implementing new protocols for integrating imaging data with biological data
- Develop novel analytical approaches for MRI data analysis

Qualifications and skills required

- Master Science degree in Biomedical Engineering / Computer Science or other comparable subject area
- Have experience in medical images and image processing, ideally with preclinical/clinical MR images and a solid background in C++ coding and image processing. Hands-on experience with C++ and/or Matlab for image processing scripts is a plus.
- Have an independent working attitude and a high degree of flexibility
- Enjoy personal interaction

We offer

- A highly interactive molecular imaging team, working in close collaboration with the CIM research groups and interdisciplinary interactions with other institutes abroad
- A rich set of existing high-quality multi-modal MR data and applied research questions through collaborations with national and international research consortia.

Informal enquiries and applications should be directed to Dr. Dario Longo (dario.longo@unito.it)
Interested candidates should send their full application in a single PDF including a CV, contact details of two referees, a brief statement describing your personal qualifications (up to 1 page), and a list of publications highlighting up to 3 most important ones. Please do not send any original documents as they cannot be returned.

The deadline for applications is **November, 10th 2017**.