



Group Leader Positions

The Telethon Institute of Genetics and Medicine (TIGEM) seeks **outstanding scientists for independent Group Leader positions**. TIGEM is a multidisciplinary research Institute devoted to the study of the mechanisms underlying rare genetic diseases and to the development of innovative therapies (www.tigem.it). TIGEM is equipped with state-of-the-art facilities and instrumentation for biological research, including core support in advanced microscopy, bioinformatics and systems biology, high-content screening, next generation sequencing and viral vector production. TIGEM currently focuses on a variety of diseases, including neurodegenerative diseases, lysosomal storage disorders, membrane trafficking defects, disorders of liver metabolism, and eye diseases. TIGEM has three main research programs:

- 1) **Cell Biology of Genetic Diseases:** focused on deciphering basic disease mechanisms including molecular mechanisms and signaling in intracellular trafficking, the lysosomal-autophagic pathway and mechanisms underlying cellular clearance. The final aim is to provide improved management of genetic diseases through the deeper understanding of the underlying molecular and cellular mechanisms, and development of therapeutic tools.
- 2) **Molecular Therapy:** focused on the development of new strategies for the therapy and prevention of genetic diseases. One of our major research strategies is *in vivo* vector-mediated gene delivery. The general approach is to develop new vector systems and delivery methods, test them in the appropriate animal models, uncover the mechanisms involved in vector transduction, and move the most promising approaches to the clinic.
- 3) **Systems Biology and Functional Genomics:** focused on the development and application of integrated experimental and computational tools in mammalian systems to study genetic diseases and either develop or monitor therapeutic approaches.

We have positions available at the levels of **Assistant Investigator, Associate Investigator and Principal Investigator**. **Candidates should have a successful record of research accomplishments including publications, presentations at meetings and extramural funding**. Successful candidates will receive a competitive start-up package and be expected to establish and maintain an extramurally funded research program.

In September 2014, the institute moved to a new refurbished building on the former Olivetti campus in Pozzuoli. Pozzuoli is a beautiful small town on the coast, adjacent to Napoli.

Applicants should submit curriculum vitae, identifying at least three individuals as references, and a statement of research objectives. All applications will be kept confidential.

Deadline April 30th, 2015.

Interested applicants should send the application package to:

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