



## Group Leader Position at the Telethon Institute of Genetics and Medicine (TIGEM)

TIGEM, an internationally renowned research center dedicated to understanding genetic diseases and developing transformative therapies, is seeking applications for Group Leader positions. We are looking for dynamic scientists with expertise in one of the following fields:

- **Non-viral gene delivery:** designing, synthesizing, and optimizing cutting-edge delivery platforms
- **Innate immune response:** dissecting complex immunological responses in the context of in vivo gene therapy
- **AI driven protein design:** AI-based modeling to develop therapeutic proteins for rare genetic diseases, applying advanced algorithms like diffusion models and large language models.
- **Synthetic biology:** applied to gene therapy and drug discovery

### PROFILE

- Innovative researchers with a deep passion for developing groundbreaking projects that have **significant translational potential**, aiming to bridge the gap between basic research and clinical applications.
- Excellent **mid-career scientists** with extensive experience in **leading independent research groups** and successfully managing scientific teams
- Have **not resided in Italy for the last 3 years**. Priority will be given to scientists currently working in the USA.
- Proven leadership skills, with a strong desire to **build, guide, and inspire a successful** and collaborative research team.
- A **strong track record of publishing high-impact research articles** in leading scientific journals.
- Demonstrated **ability to secure external funding** from prestigious national and international agencies. Experience in managing research budgets.
- Good **collaborative capacities across disciplinary** boundaries

### WHY JOIN TIGEM

- A dynamic and thriving **international research environment** that embraces a multidisciplinary approach, fostering collaboration across diverse fields to drive innovation and advance knowledge in genetic diseases.
- **State-of-the-art facilities** including access to **advanced technological platforms** such as high-content screening, genomics, advanced microscopy, proteomics and advanced histology.
- Direct **collaboration opportunities with clinicians, industry partners, and renowned scientific networks**.
- Competitive **funding opportunities**, comprehensive administrative support
- A unique opportunity to **impact patients' lives** by translating basic research discoveries into therapeutic interventions.

## WHAT WE OFFER

- Attractive **salary and benefits package**.
- Competitive **5-year start-up package** with potential for renewal in core funding, along with extensive support for securing additional funding opportunities.
- Opportunities for **career advancement and leadership development** within the institute.
- **Management and soft skills** training tailored to Principal Investigators.
- Assistance with **relocation and potential attractive income tax benefits** for candidates moving to Italy for the first time or returning after living abroad.
- **Solutions to support work-life balance**, including flexible working hours, remote working options, 5-month fully paid maternity leave, parental leave, and an on-campus nursery with discounted rates.
- Access to the **National Health System**, providing residents with comprehensive healthcare services, including general practitioners, public hospital treatments, subsidized medicines, and ambulance services.

## LOCATION

Pozzuoli, Naples, Italy – a vibrant Mediterranean location offering an exceptional quality of life. Pozzuoli is known for its ancient Roman ruins, stunning waterfront, and close vicinity to Ischia and Procida, two beautiful islands of the Mediterranean. Naples boasts a UNESCO World Heritage historic center, world-class museums, and renowned culinary delights. Both cities provide lively markets, beautiful landscapes, and a dynamic nightlife, making them captivating destinations for both relaxation and adventure.

## SELECTION PROCESS

Applicants should send a cover letter describing current research interests (max 2 pages) and proposed project (max 3 pages) and curriculum vitae (NIH format) to Graciana Diez Roux, Chief Scientific Officer, ([diezroux@tigem.it](mailto:diezroux@tigem.it)), indicating in the email subject: TIGEM Group Leader Application.

Top ranking applicants will be contacted and invited for on-site interview. This will include presenting their work and discussing future research plans with TIGEM's Executive Board and other TIGEM Group Leaders. Successful candidates will also discuss their long-term plan with TIGEM's scientific advisory board.

**The deadline for submitting applications is September 1<sup>st</sup> 2025.**

**Early applications are encouraged.**

TIGEM is an equal opportunity employer committed to diversity and inclusion.

## ABOUT TIGEM

TIGEM is a premier research center dedicated to understanding and treating genetic diseases. Established by Fondazione Telethon, the institute focuses on innovative research that bridges basic science and clinical applications. Renowned for its interdisciplinary approach, TIGEM unites experts in genomics, cell biology, and gene therapy to uncover rare disease mechanisms and develop novel therapies. Housed in a refurbished 5,000-square-meter complex on the former Olivetti campus in Pozzuoli, the institute employs approximately 260 researchers from Italy and abroad across 24 independent research groups and seven state-of-the-art facilities, including advanced microscopy, bioinformatics, high-content screening, advanced histology, and proteomics. TIGEM's reputation is bolstered by its publication record and the numerous prestigious awards and funding it has received, including 18 ERC grants and the coordination of

14 EC collaborative grants. The institute has made groundbreaking discoveries in lysosomal biology, membrane trafficking, and autophagy regulation. Additionally, TIGEM is at the forefront of developing AAV-based gene therapy approaches, including clinical translation. The institute's commitment to advancing scientific knowledge is reflected in its active participation in international research networks and its role in training the next generation of scientists. Through partnerships with leading academic institutions and biotech companies, TIGEM continues to push the boundaries of genetic research, aiming to translate discoveries into effective treatments for patients worldwide. More information at [www.tigem.it](http://www.tigem.it)