



Italian Institute for Genomic Medicine

giovanni ^{the} **ARMENISE**
HARVARD foundation

Postdoc fellowship in Immunology and Epigenetics

*Italian Institute for Genomic Medicine
Immune Regulation Lab, Dr. Luigia Pace*

The Giovanni Armenise-Harvard laboratory of Immune Regulation, at the Italian Institute for Genomic Medicine (IIGM) in Turin, Italy, is seeking for a highly motivated Postdoc in Immunology and Epigenetics.

Research: The lab addresses fundamental aspects of immune responses, related to **memory T cell differentiation and long-term protective immunity**. This research aims to understand how T lymphocytes integrate complex environmental stimuli and translate these signals into specific **epigenetic and differentiation programs**, which specify T cell fate commitment and function. The research's goal is to use this knowledge to develop novel strategies for the prevention and treatment of cancer, in the new and promising field of **cancer immunotherapy**.

To achieve these goals, we combine a variety of approaches, including genetic and genomic techniques, including high throughput cell-based assays, next generation sequencing of RNA and epigenetics marks, and translational models.

Qualifications and requirements:

- Strong background and experience in immunology, molecular biology, or epigenetics
- First-authored publications in peer-reviewed journals are preferred
- Good communication skills and self-motivation
- Fluency in spoken and written English

IIGM (http://www.iigm.it/site/index.php?id=330&t=articolo_secondo_livello&m=extra) is located at Molecular Biotechnology Center (<https://www.mbc.unito.it/en>) in Turin. The main goal of IIGM is to foster and develop **excellence in human genomic research and education**, with special reference to genomic variability in multifactorial diseases, with a strong focus on cancer. The institute provides high-level scientific education for students and post-doctoral fellows, and access to state-of-the-art research facilities.

To apply for this position please submit a cover letter (in English) describing research experience, interests, motivation, CV and contact information of three references to:

luigia.pace@iigm.it

Review of applications will begin immediately, till position is filled.

References: Pace L, et al. Science 2018, Pace L, et al. Science 2012.

PhD fellowship in Immunology and Epigenetics

Italian Institute for Genomic Medicine Immune Regulation Lab, Dr. Luigia Pace

The Giovanni Armenise-Harvard laboratory of Immune Regulation, at the Italian Institute for Genomic Medicine (IIGM), in Turin, Italy, is seeking for a highly motivated PhD student in Immunology in the context of cancer.

Research: The lab addresses fundamental aspects of T lymphocytes responses, related to **memory T cell differentiation and long-term protective immunity**. Our research aims to understand how T lymphocytes integrate complex environmental stimuli and translate these signals into specific **epigenetic and differentiation programs**, which specify their cell fate commitment and function. The research's goal is to use this knowledge to develop novel strategies for the prevention and treatment of cancer, in the new and promising field of **cancer immunotherapy**.

To achieve these goals, we combine a variety of approaches, including genetic and genomic techniques, including high throughput cell-based assays, next generation sequencing of RNA and epigenetics marks, and translational models.

Qualifications and requirements:

- Basic knowledge in immunology, molecular biology, epigenetics is considered an advantage
- Good communication skills and self-motivation
- Fluent in spoken and written English

IIGM (http://www.iigm.it/site/index.php?id=330&t=articolo_secondoLivello&m=extra) is located at Molecular Biotechnology Center (<https://www.mbc.unito.it/en>) in Turin. The mission of IIGM is to foster and develop **excellence in human genomic research and education**, with special reference to genomic variability in multifactorial diseases, with a strong focus on cancer. The institute provides high-level scientific education for PhD students, and access to state-of-the-art research facilities.

To apply for this position, please submit a cover letter (in English) describing research experience, interests, motivation, CV and contact information of two references to:

luigia.pace@iigm.it

Review of applications will begin immediately, till position is filled.

References: Pace L, et al. Science 2018, Pace L, et al. Science 2012.



Italian Institute for Genomic Medicine

giovanni ^{the} | **ARMENISE**
HARVARD foundation

Fellowship in Computational Immunology

Italian Institute for Genomic Medicine Immune Regulation Lab, Dr. Luigia Pace

The Giovanni Armenise-Harvard laboratory of Immune Regulation, at the Italian Institute for Genomic Medicine (IIGM), in Turin, Italy, is seeking for a highly motivated Fellow in Computational and Systems Immunology.

Research: The lab addresses fundamental aspects of immune responses, related to **memory T cell differentiation and long-term protective immunity**. Our research aims to understand how T lymphocytes integrate complex environmental stimuli into specific **epigenetic and differentiation programs**, which specify cell fate commitment and function. The research's goal is to use this knowledge to develop novel molecular targets and strategies for the prevention and treatment of cancer, in the new field of **cancer immunotherapy**.

To achieve these goals, we combine a variety of high throughput approaches, including next generation sequencing of RNA and epigenetics marks, and single cell transcriptomic analysis.

Qualifications and requirements:

- Master or PhD degree in Bioinformatics, Biostatistics or Applied Mathematics
- Experience in computational data analysis (RNA-seq, ChIP-seq)
- Strong programming skills (R, Python, Bash)
- Mastering bioinformatics and biostatistics tools (R, Bioconductor)
- Experience in high-throughput data analysis and multivariate statistics
- Publications in peer-reviewed journals are preferred
- Good communication skills and self-motivation
- Fluent in spoken and written English

IIGM (<http://www.hugef-torino.org/site/index.php>) is located at the Molecular Biotechnology Center (<https://www.mbc.unito.it/en>). The main goal of IIGM is to foster and develop **excellence in human genomic research and education**, with special reference to genomic variability in multifactorial diseases, with a strong focus on cancer. The institute provides high-level scientific education for fellows, and access to state-of-the-art research facilities.

To apply for these positions please submit a cover letter (in English) describing research experience, interests, motivation, CV and contact information of three references to:

luigia.pace@iigm.it

Review of applications will begin immediately, till position is filled. The position is available immediately.

References: Pace L, et al. Science 2018; Pace L, et al. Science 2012.