

Selection procedure for Research Fellows in Biological science, ex art. 22 Law n. 240/2010

Humanitas University, as a member of the SYSCID consortium, wishes to appoint 2 Research Fellows as part of its research team (for more information about the SYSCID project visit <http://syscid.eu/>)

- JUNIOR PROFILE (Ref. SYSCID-HUNIMED_Junior)

Research Program Title	Development and functional validation of epigenome editing tools in human hematopoietic and immune cells
Research supervisor - Tutor	Prof. Gioacchino Natoli
Scientific Area	05- Biological science
Gross amount of the fellowship	21.000 Euro
Duration of the fellowship	12 months in the first instance with the possibility to lead to a PhD position starting at the end of 2017
Activities to be carried out	The Junior Research fellow will collaborate to the development of epigenome editing tools and to their validation in primary cells

- SENIOR PROFILE (Ref. SYSCID-HUNIMED_Senior)

Research Program Title	Development and functional validation of epigenome editing tools in human hematopoietic and immune cells
Research supervisor - Tutor	Prof. Gioacchino Natoli
Scientific Area	05 - Biological science
Gross amount of the fellowship	35.000 Euro
Duration of the fellowship	36 months
Activities to be carried out	The Senior Research fellow will be primarily responsible for developing epigenome editing tools and validating them in primary cells

The work place is in Rozzano – Milano, Italy, <http://www.humanitas-research.org/>.

A brief description of the project, mandatory requirements to take part into the selection process, information on the application procedure and on the selection criteria are presented in the following.

RESEARCH PROJECT:

Pathogenic nucleotide variants such as those associated with increased risk of Chronic Inflammatory Diseases often enhance or reduce binding of transcription factors acting at specific enhancers or promoters, eventually resulting in detrimental gene expression changes. Epigenome editing tools in principle allow reprogramming gene expression without invasively affecting the genomic DNA sequence, and thus represent a potentially valid approach to prevent the inappropriate activation of pathogenic transcription. The planned research activity is focused on: i) the generation and functional validation of tools aimed at altering the activity of genomic regulatory elements containing pathogenic nucleotide

variants and ii) on the assessment of the ability of such tools to modulate target gene transcription, thus eventually restoring normal gene expression programs in immune cells.

MANDATORY REQUIREMENTS:

- JUNIOR PROFILE (Ref. SYSCID-HUNIMED_Junior):

In order to be considered for the post candidates must hold a MSc University degree, or a comparable academic degree (usually of a legal duration of at least 4 year) in Biological Sciences or a related field which formally entitles them to embark on a doctorate (as a PhD student).

- SENIOR PROFILE (Ref. SYSCID-HUNIMED_Senior):

In order to be considered for the post candidates must hold a PhD in Biological Sciences, Translational Medicine or a related field.

SELECTION PROCESS:

Applications should be sent as a single PDF file (5 MB max.) to recruitment@sycid.eu **no later than 7th of April 2017**. Please note that the email should contain the exact indication of the position of interest (either Ref. SYSCID-HUNIMED_Junior or SYSCID-HUNIMED_Senior) and should be carbon copied to ufficiodocenti@hunimed.eu.

Applications must include:

1. a cover letter, stating your research motivation and interests, including relevant background;
2. a curriculum vitae, dated and signed, containing the description of any professional or research experience (including publications and participation at conferences, posters);
3. a list of the titles/ certificates presented, duly dated and signed;
4. a list of the publications presented, duly dated and signed;
5. a copy of a valid document of identity or, for Non-EU citizens, a copy of applicant's passport.

As part of the selection process, a Selection Committee will evaluate the curriculum, titles and publications presented by the candidates.

FURTHER INFORMATION:

For informal inquiries about the research project, please, contact Gioacchino Natoli (gioacchino.natoli@hunimed.eu)

For further information on the selection process, please, refer to D.R. n. 028/2017 (<https://www.hunimed.eu/it/lavora-con-noi/#posizioni-a-tempo-determinato>) or send an inquiry to ufficiodocenti@hunimed.eu or contact the number +39 02.8224.5642.