



Post-doctoral Fellowships

The group headed by Prof. Alessandro Michienzi at the section of **Biology, Department of Biomedicine and Prevention**, of the **University of Rome Tor Vergata**, is looking for motivated candidates, with passionate interest in translational molecular and cell biology, to be enrolled as post-doctoral fellows, and take part in the project entitled "**Design and development of RNA based drugs**", funded by MUR-PNRR.

The ultimate goal of the project is the fine tailoring of an RNA-based therapeutics, pinpointing to what ideal RNA sequence to be used as therapeutics (in siRNA, ASO and mRNA applications) in constant iteration between experimental and Biocomputing predictions.

Candidates must hold a PhD degree in a relevant biomedical discipline (Biology, Biotechnology or similar), received since no more than two years. The post-doctoral fellowship (Assegno di Ricerca), potentially funded for three years, will have a gross annual salary in the range between 20,000 and 22,000 Euros, depending on experience.

The candidate must have a scientific background in molecular biology, and proven experience in cell culture (growth, characterization, transfection, infection, cloning), in the main molecular and cell biology techniques and in biochemical analyses. Bioinformatics skills will be considered a plus.

Qualified and interested candidates should submit their application including CV, a motivation letter describing how her/his background would best fit this position, and the contact information of at least two referees. Please, use the following address to send all documents or to ask for further details: Prof. A Michienzi, Dept. of Biomedicine and Prevention, University of Rome Tor Vergata, via Montpellier, 1 00133 Rome. alessandro.michienzi@uniroma2.it

Selected references

- Frassinelli L et al. The RNA editing enzyme ADAR2 restricts L1 mobility. *RNA Biol.* 2021
- Frassinelli L, et al. RNA Editing in Interferonopathies. *Methods Mol Biol.* 2021
- Galardi S, Michienzi A, Ciafrè SA. Insights into the Regulatory Role of m6A Epitranscriptome in Glioblastoma. *Int J Mol Sci.* 2020
- Orecchini E et al. Post-transcriptional regulation of LINE-1 retrotransposition by AID/APOBEC and ADAR deaminases. *Chromosome Res.* 2018
- Orecchini E et al. Restricting retrotransposons: ADAR1 is another guardian of the human genome. *RNA Biol.* 2017
- Orecchini E, et al. ADAR1 restricts LINE-1 retrotransposition. *Nucleic Acids Res.* 2017