Postdoctoral position available in the group of d'Adda di Fagagna to study mouse models of aging and aging-related disorders

Fabrizio d'Adda di Fagagna's group studies the role of DNA damage response (DDR) activation in biologically-relevant settings such as aging and cancer, with a special emphasis on cellular senescence (d'Adda di Fagagna Nature 2003, Di Micco Nature 2006, Fumagalli Nature Cell Biology 2012).
Our previous basic findings (Francia Nature 2012, Michelini Nature Cell Biology 2017, Pessina Nature Cell Biology 2019), and our most recent results *in vivo* (Rossiello Nature Communications 2017, Aguado Nature Communications 2019), demonstrated the efficacy of novel antisense oligonucleotide (ASO) tools to selectively inhibit DDR activation at dysfunctional telomeres, reducing senescence burden and improving healthspan and lifespan.

We have an immediately available opening for an experienced researcher at the postdoctoral level to study the impact of telomeric DDR inhibition with ASO in mouse models of aging and aging-related disorders, some already established in the lab.

The successful applicant will hold a PhD and a demonstrated experience in mouse models. We seek skills in:

- **mouse husbandry**
- ***in vivo* treatments (IP, IV and SC injections)**
- **tissues and organs dissection and histological analyses**

We seek a candidate with a background in aging and/or telomere dysfunction mouse models. Also candidates with experience with *in vivo* use of ASO will be considered favourably. Experience in histopathological evaluations or bioinformatics skills is a plus.

Essential is a proven track record of productivity in international peer-reviewed journals. The candidate will be enthusiastic, energetic, and capable to take full advantage of our interactive research environment. An attitude or demonstrated ability to translate basic findings into viable options for patients will be highly appreciated. For this reason, candidates transitioning from industry will be considered.

An internationally competitive salary will be commensurate with skills and experience.

IFOM is part of a campus that hosts about 500 people and results from the integration of IFOM, IEO (European Institute of Oncology) and a branch of IIT (Italian Institute of Technology). It presently hosts more than 50 independent

research groups, a PhD school (SEMM), and excellent core facilities. IFOM has joint laboratories in Singapore and India.
Milan is a vibrant city, located close to the Alps, the lakes region and the Mediterranean Sea.

Candidates should send their CV together with a cover letter describing their interest in applying for the role and explain how they meet the set criteria, and contact details of their referees to fabrizio.dadda@ifom.eu. Consideration of applications will begin as they are received and will continue until the position is filled.

https://www.ifom.eu/en/job-opportunities/open/open-position.php?docuID=9294