Post-doc position in Chemistry - Organic synthesis of fluorophores and RNA-fluorohore conjugates (ID: 6383)

National R&D Center: *Development of Gene Therapy and RNA-based drugs*

Spoke 9: *From target to therapy: pharmacology, safety and regulatory competence center*

Task: *Development of innovative methodologies for RNA-based drugs tracking*

The project sets out to synthesize fluorophores suitable for *in vivo* imaging of RNA-based drugs allowing the assessment of their PK and PD profiles as well as the validation of the label-free methodologies developed within the Spoke.

The successful candidate will have a multidisciplinary background, will be willing to work at the interface with biology, and will devise the most appropriate synthetic strategy to achieve the designed fluorphores and conjugation products both via covalent and non-covalent tethering.

Starting date: March 2024

Duration: 12 months

Where: Chemistry Department, University of Milan, via Golgi 19, Milano

Qualifications: The successful candidate will hold a **PhD in Chemistry, Medicinal chemistry or equivalent** with a solid background in **small molecules organic synthesis** and their **characterization**. Organisation, communication skills are required, as well as the ability to work both in team and independently. A **multidisciplinary mindset** is mandatory. Previous experience on nucleotide/nucleic acids chemistry is a plus.

Application deadline: 12th February 2024 h 23:59

Apply here: https://www.unimi.it/it/ricerca/ricerca-lastatale/fare-ricerca-da-noi/assegni-e-borse/bandi-assegni-di-ricerca/bando-di-tipo-b-pnrr-profssa-sattin-id-6383