



**Comprehensive STRategies to tackIE malignant tumors:
from nanomedicine and theranostic to precision medicine**

PhD “Marie Skłodowska-Curie” Positions (ESR Early-Stage Researchers)

We are looking for 8 ESRs to work on **STRIKE**—HORIZON-MSCA-2021-DN-01 project. STRIKE aims to develop a research and training network in nanomedicine/precision medicine, rising a new generation of entrepreneurial and innovative multidisciplinary young researchers. STRIKE will provide enhanced career perspectives in academic and non-academic sectors for 8 ESRs in highly innovative fields by interdisciplinary mobility among 12 institutes/companies in 8 EU countries. The selected candidates will receive a gross salary in accordance with the MSCA regulations for early-stage researchers (ESRs).

FOLLOW THE LINK TO APPLY: <https://strike.unime.it/>

The call will open on EURAXESS on 8st March 2023 (deadline 23 April 2023). In details:

Projects		Project Description
1	University of Messina, Italy Supervisor Prof. Anna Piperno https://www.unime.it .	Development of smart magnetically controlled MNPs (magnetic nanoplatforms) for osteosarcoma treatment. The candidate should have preferably a M.Sc in Chemistry or related topics.
2	National Research Council of Italy . Supervisor Dr. Monica Montesi https://www.istec.cnr.it	Biological evaluation of new magnetic nanotherapeutics (NanoTher) in 2D and 3D scaffold-based in vitro osteosarcoma models. The candidate should have preferentially a M.Sc. in Biology, Biotech or related topics.
3	Maynooth University, Ireland Supervisor Dr. Diego Montagner https://www.maynoothuniversity.ie	Design, synthesis, characterization and interaction with magnetic nanoplatforms of Pt(IV) pro-drugs selective for osteosarcoma cancer. The candidate should have a M.Sc. or 4 years BC in Chemistry or related topics.
4	Palacký University in Olomouc, Czechia Supervisor Dr. Vaclav Ranc https://www.upol.cz/en/	Magnetic nanostructured composites for a targeted drug delivery. The candidate should have a M.Sc. in Chemistry.
5	Nantes Université, France Supervisor Prof. Dominique Heymann https://www.univ-nantes.fr/	Dormant cells in OS: biological characterization and therapeutic targeting. The candidate should have a M.Sc. in Biology or related topics.
6	Nanotech Solutions Sociedad Limitada, Spain , Supervisor Dr. Francisco J. Teran https://www.ntsol.es/	Exploiting nanomagnetism for improving intratumoral drug delivery. The candidate should have a M.Sc. in Physics or Engineering or Nanotechnology.
7	Cogentech Società Benefit S.r.l., Italy , Supervisor Dr. Nina Offenhäuser https://www.cogentech.it/index-en.php .	Development of MB based purification of biomarkers from liquid biopsy for early detection of cancer in BRCA+ subjects. The candidate should have preferably a M.Sc. in Biology or related topics.
8	Medical University of Vienna, Austria . Supervisors: Dr. Claudia Kuntner-Hannes www.meduniwien.ac.at	Radiolabeling and in vivo evaluation of pharmacokinetics of labeled drugs or drug carriers. The candidate should have preferably a M.Sc in Chemistry or related topics.