



**Comprehensive STRategies to tacklE 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 (<https://cordis.europa.eu/project/id/101072462>).

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 applicants, at the time for the application, should not have resided in the country where are applying to, for more than 12 months in the 3 years immediately prior to the reference date. Moreover, the applicants must be in the first four years (full-time equivalent research experience) of their research careers and have not been awarded a doctoral degree. The salary will be very competitive and will include the living allowance (≈ 2680-3615€ gross/month according to the country correction coefficient), the mobility allowance (600€) and optional family allowance (495€).

We are happy to consider CV of interested applicants and receive Expression of Interest and queries at our emails. The call will open on EURAXESS on 1st March 2023 (deadline 15 April 2023). In details:

Projects		Project Description
1	University of Messina, Italy https://www.unime.it . Supervisor Prof. Anna Piperno apiperno@unime.it	Development of innovative magnetic nanomaterials for drug delivery or for biosensing. The candidate should have preferably a M.Sc in Chemistry or related topics.
2	National Research Council of Italy , https://www.istec.cnr.it/ . Supervisor Dr. Monica Montesi monica.montesi@istec.cnr.it	Design/characterization of 3D scaffold-based in vitro tumor model. The candidate should have preferentially a M.Sc. in Biology, Biotech or related topics.
3	Maynooth University, Ireland https://www.maynoothuniversity.ie/ Supervisor Dr. Diego Montagner diego.montagner@mu.ie	Development of new chemo-theranostics anticancer Pt-based compounds. The candidate should have a M.Sc. or 4 years BC in Chemistry or related topics.
4	Palacký University in Olomouc, Czechia https://www.upol.cz/en/ Supervisor Dr. Vaclav Ranc vaclav.ranc@upol.cz	Synthesis and characterisation of magnetic nanoplateforms as active drug delivery systems. The candidate should have a M.Sc. in Chemistry.
5	Nantes Université, France https://www.univ-nantes.fr/ Supervisor Prof. Dominique Heymann dominique.heyman@univ-nantes.fr	Development of the 3D <i>in vitro</i> cell-based cancer models. Study of cell dormancy in osteosarcoma and its targeting by nanotherapeutics. The candidate should have a M.Sc. in Biology or related topics.
6	Nanotech Solutions Sociedad Limitada, Spain , https://www.ntsol.es/ Supervisor Dr. Francisco J. Teran info@ntsol.es	Characterization of magnetic nanomaterials. Design of a DC magnetic field generator to <i>in vivo</i> guide and accumulate magnetic scaffolds. The candidate should have a M.Sc. in Physics or Engineering or Nanotech.
7	Cogentech Società Benefit S.r.l., Italy , https://www.cogentech.it/index-en.php . Supervisor Dr. Nina Offenhäuser nina.offenhauser@cogentech.it	Development of new liquid biopsy-based tools for cancer diagnostics. The candidate should have preferably a M.Sc. in Biology or related topics.
8	Medical University of Vienna, Austria . Supervisors: Dr. Thomas Wanek and Dr. Claudia Kuntner-Hannes thomas.wanek@meduniwien.ac.at and claudia.kuntner-hannes@meduniwien.ac.at	Radiolabelling of magnetic nanomaterials and subsequent <i>in vitro</i> / <i>in vivo</i> characterization. The candidate should have preferably a M.Sc in Chemistry or related topics.