Profile sheet B attached to call TD8/2023

PROFILE B APPLICABLE PROJECT	**ELECTRON MICROSCOPY TECHNOLOGIST** **NFFA-DI PROJECT**
POSITIONS UNDER SELECTION	**2**
EXPECTED CONTRACT DURATION	18 months, with possible extension
PLACE OF WORK	Area Science Park - Technological Innovation Research Institute (TIR) at the Area Science Park Electron Microscopy Laboratory in Basovizza, Trieste.
DEGREE CLASSES REQUIRED FOR ADMISSION	LM17 – PHYSICS LM54 – CHEMICAL SCIENCE LM53 – MATERIALS SCIENCE AND ENGINEERING LM71 – SCIENCE AND TECHNOLOGY OF INDUSTRIAL CHEMISTRY LM22 – CHEMICAL ENGINEERING
DESCRIPTION OF THE POSITION AND ACTIVITIES	Technologists shall perform the activities described below in the Materials Science sector using scanning and transmission electron microscopy, with a sufficient level of independence: – installation and commissioning of microscopy laboratories of the Institution; – research activity for development of instrumentation for combined approaches between different instrument techniques, including the planning of advanced methods for preparation of samples for electron microscopy and devices for in-situ/operando analysis with different instrumentation and transfer in a controlled environment – research into the characterisation of materials using scanning and transmission electron microscopy; – training and access to instrumentation for national and international academic and industrial users – publication in national and international journals and on conference proceedings of scientific articles describing the most important results of research activity; – participation in seminars and events aimed at sharing scientific knowledge to promote collaboration between researchers at the Institution and those from other organisations – management of electron microscopy and related technical expertise (e.g. vacuum and ultra-high vacuum pumping systems).