











Call for applications for the assignment of 1 research fellowship grant for carrying out Category B research activities, as per Article 22 of Italian Law No. 240/2010, for the Scientific Disciplinary Sector of IINF-05/A - Information Processing Systems, at the facilities of the CIR - Integrated Research Centre and of the Departmental Faculty of Engineering of Università Campus Bio-Medico di Roma.

Call Code: ASS-RIC/34 24

Lall Code: ASS-RIC/34_24	
Departmental Faculty	Engineering
Research theme	Artificial intelligence for personalized medicine in lung cancer
Brief description of the	Artificial intelligence (AI) can enable the development of
research	advanced precision medicine tools in the treatment of lung cancer.
	However, such tools need to integrate multimodal data using AI
	methods, bust such methodologies need further research in the
	field of intermediate fusion, a methodology that allows for the
	fusion of unimodal representations using deep learning and back-
	progagation.
	The researcher will develop such methods using data collected in
	the patient's diagnostic and prognostic pathway, integrated with
	generative AI techniques and digital twin tools.
	Applications are aimed at predicting prognosis scores in patients
	with non-small cell lung cancer, developing screening tools, and
	developing generative models for image-to-image translation
	between different medical imaging modalities.
Scientific Supervisor	Prof. Paolo Soda
Scientific Disciplinary Sector	IINF-05/A - Information Processing Systems
Language knowledge and	English, B1
skills	
Date of the interview	24 October 2024, at 10:30 a.m.
	Remote candidates on Microsoft Teams platform
L	