



UNIVERSITA'
CAMPUS
BIO-MEDICO
DI ROMA



ANNEX A

R.D. no. 279 dated 28/07/2022

**PHD-AI.IT NATIONAL DOCTORATE IN ARTIFICIAL INTELLIGENCE
(HEALTH & LIFE SCIENCES) 38TH CYCLE**

PhD Course Coordinator: Prof. Eugenio Guglielmelli

Duration: 3 anni

Positions supported by scholarships: 33

Positions with scholarship supported by the University and other Institutions	Topic	Location of the activities
5 co-supported by Università Campus Bio-Medico di Roma and FFO CNR	Artificial Intelligence – Health and Life sciences	Rome
1 co-supported by CNR on IEIIT funds and by CNR on FOE funds	Telemonitoring of chronic diseases and frail groups, based on internet of things devices and artificial intelligence (TANIA)	Milan
1 co-supported by CNR on ISOE funds and by CNR on FOE funds	Development and application of Deep Learning algorithms for the characterisation and functionalisation of complex biosensor arrays	Bologna
1 co-supported by CNR on ISTC funds and by CNR on FOE funds	Study of systems based on migratable Artificial Intelligence that adapt content and form according to the user's affective-cognitive state and different socio-technical contexts of assistance.	Rome
1 co-supported by CNR on INO funds and by CNR on FOE funds	AI-enhanced diamond-based quantum biosensing	Florence
1 co-supported by CNR on ISPC funds and by CNR on FOE funds	BCI for interactive applications targeting Heritage	Rome
1 co-supported by CNR on IBIOM funds and by CNR on FOE funds	Development of predictive models (based on machine learning and deep learning) to integrate omics data to identify biomarkers for human diseases following precision medicine canons.	Arcavacata di Rende (CS)
1 supported by CNR on ISTC funds	Cognitive architecture for personalized and continuous Human-Robot interaction	Rome



Positions with scholarship supported by the University and other Institutions	Topic	Location of the activities
1 supported by CNR on ICAR funds	Innovative AI-based computational models for the design and/or identification of non-coding RNA molecules as new generation personalized therapeutic agents	Naples
3 co-supported by SISSA Scuola Internazionale Superiore di Studi Avanzati and by Università di Pisa on FFO funds	Artificial Intelligence – Health and Life sciences	Trieste
1 co-supported by Università degli Studi “Aldo Moro” di Bari and by Università di Pisa on FFO funds	Innovative approaches to link genetics with the neurophysiology and behavioral readouts of psychiatric disorders	Bari
1 co-supported by Università degli Studi di Torino and by Università di Pisa on FFO funds	Bridging the gap between omics and brain imaging with machine learning	Turin
1 co-supported by Università del Piemonte Orientale and by Università di Pisa on FFO funds	Machine and deep learning for multi-omics analysis in autoimmune and allergic diseases	Vercelli and related offices
1 co-supported by Università degli Studi della Tuscia and by Università di Pisa on FFO funds	Analysis, design and implementation of machine learning techniques for the human behaviour assessment	Viterbo
1 supported by C.O.T. Cure Ortopediche Traumatologiche SpA ;	Motor and cognitive rehabilitation of patients suffering from autism spectrum disorders by using robots running AI algorithms	Messina
1 supported by Università degli Studi della Campania “Luigi Vanvitelli”	Cloud-Edge Intelligence	Caserta and related offices
1 supported by Università degli studi di Genova	Computational methods for data analysis in neurosciences and oncology	Genoa
1 supported by Humanitas University	Artificial Intelligence – Health and Life sciences	Pieve Emanuele (Milan)



Positions with scholarship supported PNRR funds – ex DM 351/2022*:	Topic	Location of the activities
2 supported by Università Campus Bio-Medico di Roma <u>area: PNRR Research</u>	Artificial Intelligence – Health and Life sciences	Rome , spending study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months
2 Università di Pisa <u>area: PNRR Research</u>	Artificial Intelligence – Health and Life sciences	Rome , spending study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months
1 supported by Università del Piemonte Orientale <u>Area: PNRR Research</u>	Artificial Intelligence – Health and Life sciences	Vercelli and related locations , spending study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months
1 supported by Politecnico di Milano <u>area: Public Administration</u>	ML/AI methods for cerebrovascular flow dynamics in age-related neurodegeneration	Milan , spending study and research periods in industry or research centre from a minimum of six (6) months to a maximum of twelve (12) months spending study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months
Positions with scholarship supported PNRR funds – ex DM 352/2022*:	Topic	Locations of the activities
1 co-supported by C.O.T. Cure Ortopediche Traumatologiche SpA	Generative approaches and image-to-image translation techniques to support the diagnosis and to predict the prognosis in medical imaging	Rome , with a period at COT headquarter in Messina for 18 months, spending study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months
1 co-supported by Mediavoice	Speaky Internet: multimodal deep learning to support visually impaired people to surf the web	Rome , with a period at Mediavoice for a minimum of six (6) months to a maximum of twelve (12) months, spending study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months
1 Università degli Studi di Salerno and co-supported by Engineering Ingegneria Informatica SpA	Artificial Intelligence – Health and Life sciences	Fisciano (SA) and related locations Engineering Ingegneria Informatica SpA for a minimum of six (6) months to a maximum of twelve (12) months, and spending study and research periods abroad from a minimum of six (6) months to a maximum of eighteen (18) months

* For further information, please refer to Article 9, Paragraph 5, and subject to Article 11, Paragraph 3 of the call.

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