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Ministero dell'Università e della Ricerca



FUTURE AI RESEARCH

ANNEX A
R.D. no. 465 dated 15/06/2023

**PHD-AI.IT ARTIFICIAL INTELLIGENCE (NATIONAL PHD)
HEALTH & LIFE SCIENCES 39TH CYCLE - A.A. 2023-2024**

PhD Course Coordinator: Prof. Paolo Soda

Duration: 3 years

Positions supported by scholarships: 39

Data e luogo del colloquio	<ul style="list-style-type: none"> • 31st July 2023 at 09:00 (CET) Interviews could continue in the following days. Apply remotely on the platform Microsoft Teams
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Positions with scholarship supported by the University and other Institutions	Topic	Location of the activities
2 scholarships granted by Campus Bio-Medico University of Rome	Artificial Intelligence - Health and Life Science	Campus Bio-Medico University of Rome
1 scholarship granted by National Research Council of Italy - Institute for Applied Mathematics	Modeling metabolic dysregulation and inflammation via agent-based modeling and network medicine	CNR – IAC (Rome)
1 scholarship granted by Human Technopole	Deep Learning approaches for Variational Unmixing and its applications to common data modalities in life sciences	Human Technopole
1 scholarship granted by National Institute for Nuclear Physics	AI in Medical and Life Science Physics	National Institute for Nuclear Physics
1 scholarship granted by Italian – French University –Vinci project 2022 (co- tutorship PhD thesis)	The impact of inter-individual variation on the clinical outcome of pathologies of the thalamus	University of Bari Aldo Moro

Positions with scholarship supported by NRPP 118/2023	Topic	Location of the activities*	CUP
2 scholarships Campus Bio-Medico University of Rome topic: <u>Research NRRP</u>	Artificial Intelligence - Health and Life Science	Campus Bio-Medico University of Rome	C87G23000410009



<p>1 scholarship Campus Bio-Medico University of Rome topic: <u>Public Administration</u></p>	<p>Digital and ecological transition of the National Fire and Rescue Service with respect to enabling technologies and solutions</p>	<p>Campus Bio-Medico University of Rome with periods of study and research at the <u>National Fire and Rescue Service</u></p>	<p>C87G23000420009</p>
<p>1 scholarship Campus Bio-Medico University of Rome co-supported by INAIL INAIL Call for Collaborative Research (BRIC 2022) “DPI attivi Intelligenti per cluster di protezione Sostenibili Multifunzionali Affidabili ResilienTi (DPI SMART)” CUP B83C23000220005 topic: <u>Public Administration</u></p>	<p>Definition and design of public policies for the prevention and evaluation of citizens' health</p>	<p>Campus Bio-Medico University of Rome with periods of study and research at the <u>ENEA - Italian National Agency for New Technologies, Energy and Sustainable Economic Development</u></p>	<p>C87G23000420009</p>
<p>1 scholarship Campus Bio-Medico University of Rome co-supported by EU project “Leveraging AI based technology to transform the future of health care delivery in Leading Hospitals in Europe” — “ODIN”, Grant Agreement number: 101017331, CUP C85F21000670006 topic: <u>Public Administration</u></p>	<p>Applications of Artificial Intelligence for rare heart diseases</p>	<p>Campus Bio-Medico University of Rome with periods of study and research at <u>Vanvitelli University</u></p>	<p>C87G23000420009</p>
<p>1 scholarship Campus Bio-Medico University of Rome and National Research Council of Italy topic: <u>Digital and Environmental Transitions</u></p>	<p>Digital transition and AI for the diagnosis and personalized enhancement of linguistic-cognitive skills</p>	<p>Campus Bio-Medico University of Rome with periods of study and research at the <u>National Research Council of Italy – ILC (Pisa)</u></p>	<p>C87G23000430002</p>
<p>1 scholarship given by Tor Vergata University topic: <u>Digital and Environmental Transitions</u></p>	<p>Blending neurotechnology, nanoscience, reinforcement and neuromorphic learning: novel AI strategies to control and enhance brain activity in silico and in vivo</p>	<p>Tor Vergata University</p>	<p>C87G23000430002</p>
<p>1 scholarship given by SISSA – Scuola Internazionale Superiore</p>	<p>Science and Theory of Data</p>	<p>SISSA – Scuola Internazionale Superiore di Studi</p>	<p>C87G23000410009</p>



di Studi Avanzati <u>Topic: Research NRRP</u>		Avanzati	
1 scholarship given by SISSA – Scuola Internazionale Superiore di Studi Avanzati <u>Topic: Research NRRP</u>	Cognitive Neuroscience	SISSA – Scuola Internazionale Superiore di Studi Avanzati	C87G23000410009
1 scholarship given by Università del Piemonte Orientale <u>Topic: Digital and Environmental Transitions</u>	Definition and development of advanced artificial intelligence methodologies to support the management of biomedical processes, with particular attention to computerized guidelines and clinical trials	University of Piemonte Orientale	C87G23000430002
1 scholarship given by Università del Piemonte Orientale <u>Topic: Digital and Environmental Transitions</u>	Predictive models of machine learning and artificial intelligence applied to health data collected from different sources (hospitals and structures for local medicine)	University of Piemonte Orientale	C87G23000430002
1 scholarship given by University of Catania <u>Topic: Public Administration</u>	Ethical principles and legal models for human-centric AI	University of Catania	C87G23000420009
1 scholarship given by University of Messina <u>Topic: Research NRRP</u>	Artificial Intelligence for Digital Diagnostics	University of Messina	C87G23000410009
1 scholarship given by University of Turin <u>Topic: Research NRRP</u>	Machine learning methods to infer differentiation landscapes in single cell genomics	University of Turin	C87G23000410009
1 scholarship given by University of Turin <u>Topic: Research NRRP</u>	Prognostic and therapeutical implications of inflammation in acute and chronic diseases: an AI framework for integrating epidemiological, clinical and biological data	University of Turin	C87G23000410009
2 scholarships given by Vanvitelli University <u>Topic: Research NRRP</u>	Cloud-edge computing and federated learning	Vanvitelli University	C87G23000410009
1 scholarship given by Luiss Guido Carli <u>Topic: Public Administration</u>	Machine learning algorithms	Luiss Guido Carli	C87G23000420009



1 scholarship given by University of Molise <u>Topic: Research NRRP</u>	AI-based cellular/nuclear imaging to identify new biomarkers at the tissue scale	University of Molise	C87G23000410009
1 scholarship given by 'Gabriele d'Annunzio' University <u>Topic: Digital and Environmental Transitions</u>	Applied and Theoretical Intelligence	"Gabriele d'Annunzio" University	C87G23000430002
1 scholarship given by University of Pisa <u>Topic: Research NRRP</u>	Artificial Intelligence - Health and Life Science	Campus Bio-Medico University of Rome	C87G23000410009
1 scholarship given by University of Pisa <u>Topic: Public Administration</u>	Artificial Intelligence - Health and Life Science	Campus Bio-Medico University of Rome	C87G23000420009

Positions with scholarship supported by NRPP 117/2023	Topic	Location of the activities*	CUP
1 scholarship co-supported by Teleconsys S.p.A.	Artificial Intelligence for autonomous Robot Assisted Surgery	Campus Bio-Medico University of Rome with periods of study and research at Teleconsys (Rome)	C87G23000400009
1 scholarship co-supported by Teleconsys S.p.A.	Quantum Computing in AI for Healthcare Monitoring Techniques	Campus Bio-Medico University of Rome with periods of study and research at Teleconsys (Rome)	C87G23000400009
1 scholarship co-supported by BPCOMedia S.r.l.	AI for predictive and smart connected medicine for chronic respiratory diseases	Campus Bio-Medico University of Rome with periods of study and research at BPCOMedia	C87G23000400009
1 scholarship co-supported by Eustema S.p.A.	Connected health for personalized medicine: multimodal learning and XAI for smart and predictive patients' telemonitoring	Campus Bio-Medico University of Rome with periods of study and research at Eustema (Rome)	C87G23000400009
1 scholarship co-supported by ENAV S.p.A.	Development of AI-based digital tools for the innovation of the air traffic management system	Campus Bio-Medico University of Rome with periods of study and research at ENAV (Rome)	C87G23000400009



Positions with scholarship supported by NRPP	Topic	Location of the activities	CUP
1 scholarship granted by University of Bari Aldo Moro supported by NRPP project FAIR	AI in Behavioral Biometrics for health, disease and wellbeing	University of Bari Aldo Moro	H97G22000210007
1 scholarship granted by University of Pavia supported by NRPP/PCN project <u>Fit4MedRob</u>	Embodiment of a brain-inspired computational architecture	University of Pavia	B53C22006950001
1 scholarship granted by University of Pavia supported by NRPP/PCN project <u>Fit4MedRob</u>	AI-based synthetic data generation in rehabilitation settings	University of Pavia	B53C22006950001
1 scholarship granted by University of Pavia supported by NRPP/PCN project <u>Fit4MedRob</u>	Decision support in rehabilitation interventions: from machine learning to clinical guidelines	University of Pavia	B53C22006950001
1 scholarship granted by University of Catania supported by NRPP project FAIR	Sustainable Bio-Socio-Cognitive AI	University of Catania	E63C22001940006
1 scholarship granted by University of Catania supported by NRPP project FAIR	Multimodal Learning for Health SB	University of Catania	E63C22001940006

* For further information, please refer to Article 11, Paragraph 4 of the call.

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