



Potential supervisors

Physics (PHY)

Supervisor	Email	Department	Free key words	Website
Elisa Bernardini	elisa.bernardini@unipd.it	Department of Physics and Astronomy	Multi-messenger astrophysics	
Lisa Biassetto	lisa.biassetto@unipd.it	Department of Management and Engineering	Metal matrix composites, Additive manufacturing, Biomaterials	Link personal page Link project
Mario Bortolozzi	mario.bortolozzi@unipd.it	Department of Physics and Astronomy	Biophysics, Imaging and electrophysiology, Mechanisms of neurodegeneration	Link personal page
Alessandra R. Brazzale	brazzale@stat.unipd.it	Department of Statistical Sciences	Astrostatistics, Biostatistics, Epidemiology	Link personal page Link project
Antonio Caciolli	antonio.caciolli@unipd.it	Department of Physics and Astronomy	Experimental nuclear astrophysics	Link personal page Link project



Supervisor	Email	Department	Free key words	Website
Giovanni Carraro	giovanni.carraro@unipd.it	Department of Physics and Astronomy	Stellar Population, Galactic structure, Dark matter	Link
Giacomo Ciani	giacomo.ciani@unipd.it	Department of Physics and Astronomy	Gravitational-waves, Laser optics, Non-equilibrium thermal-noise	Link personal page Link project
Giacomo Colombatti	giacomo.colombatti@unipd.it	Department of Industrial Engineering	Environmental pollution, Drones, Space exploration	Link personal page
Fosca Conti	fosca.conti@unipd.it	Department of Chemical Sciences	Materials, Energy, Environment	
Francesco D'Eramo 	francesco.deramo@unipd.it	Department of Physics and Astronomy	Astroparticle physics, Dark matter, Cosmology	Link
Marco Di Liberto	marco.diliberto@unipd.it	Department of Physics and Astronomy	Quantum simulation, Many-body physics, Topological states of matter	Link personal page Link publications



Supervisor	Email	Department	Free key words	Website
Michele Doro	michele.doro@unipd.it	Department of Physics and Astronomy	Dark matter; Gamma-ray astronomy	Link personal page Link project
Alberta Ferrarini	alberta.ferrarini@unipd.it	Department of Chemical Sciences	Soft matter theory and simulations Chirality propagation Lipid vesicles and biomembranes	
Lorenzo Fortunato	fortunat@pd.infn.it	Department of Physics and Astronomy	Theoretical Nuclear Physics, Nuclear structure, Nuclear reactions	Link personal page
Alessandro Gaz	alessandro.gaz@unipd.it	Department of Physics and Astronomy	Particle physics, CP violation, B physics	
Michela Mapelli	michela.mapelli@unipd.it	Department of Physics and Astronomy	Black hole astrophysics, Bassive stars, Dynamics	Link





Supervisor	Email	Department	Free key words	Website
Paola Marigo  	paola.marigo@unipd.it	Department of Physics and Astronomy	Universe Science, Stellar structure and evolution, Stellar nucleosynthesis, Gas opacities and molecular chemistry in stellar atmosphere, Stellar population synthesis of galaxies	
Mosè Mariotti	mose.mariotti@unipd.it	Department of Physics and Astronomy	Experimental Astroparticle Physics, Gamma ray astronomy, Cherenkov telescopes, Cosmic Rays	Link project Link project Link project
Amos Maritan	amos.maritan@unipd.it	Department of Physics and Astronomy	Statistical mechanics of ecological systems, Neuroscience, Non Equilibrium statistical physics	Link
Pierpaolo Mastrolia 	pierpaolo.mastrolia@unipd.it	Department of Physics and Astronomy	Fundamental interactions and fields, Theoretical Physics, Feynman Diagrams, Scattering Amplitudes, Higher Order Corrections	Link
Giovanni Mattei	giovanni.mattei@unipd.it	Department of Physics and Astronomy	Nanophotonics, Quantum photonics, Metamaterials	Link



Supervisor	Email	Department	Free key words	Website
Giovanna Menardi	menardi@stat.unipd.it	Department of Statistical Sciences	Statistical learning, Data mining, Astrostatistics	Link
Giampaolo Mistura	giampaolo.mistura@unipd.it	Department of Physics and Astronomy	Microfluidics, Soft Matter, Functional surfaces	Link
Enrico Napolitani	enrico.napolitani@unipd.it	Department of Physics and Astronomy	Semiconductors, Nanostructures, Doping	Link personal page
Morten Gram Pedersen	mortengram.pedersen@unipd.it	Department of Information Engineering	Mathematical cell biology, Applied dynamical systems theory, Biophysical modelling	Link
Matteo Pierno	matteo.pierno@unipd.it	Department of Physics and Astronomy	Soft matter, Microfluidics, Rheology	
Gianpaolo Piotto	gianpaolo.piotto@unipd.it	Department of Physics and Astronomy	Search for exoplanets: Transits and Radial Velocities, Exoplanet Atmospheres, Stellar populations in star clusters	Link personal page Link project



Supervisor	Email	Department	Free key words	Website
Alvise Raccajelli	alvise.raccajelli.1@unipd.it	Department of Physics and Astronomy	Cosmology, Gravitational waves, Large-scale structure of the Universe	
Cinzia Sada	cinzia.sada@unipd.it	Department of Physics and Astronomy	Opto-microfluidics, Integrated Optics, Particle Manipulation	
Luca Salasnich	luca.salasnich@unipd.it	Department of Physics and Astronomy	Bose-Einstein condensation, Superfluidity, Nonlinear Phenomena	Link personal and project page
Francesco Sedona	francesco.sedona@unipd.it	Department of Chemical Sciences	Surfaces, Microscopy, Self-assembly	Link
Franco Simonetto	franco.simonetto@unipd.it	Department of Physics and Astronomy	CPviolation, Flavor Physics, Precision frontier	Link project Link project
Alessandro Sfondrini	alessandro.sfondrini@unipd.it	Department of Physics and Astronomy	String theory, Quantum field theory, Integrable models	



Supervisor	Email	Department	Free key words	Website
Gabriele Simi	gabriele.simi@unipd.it	Department of Physics and Astronomy	Experimental, Particle, High energy	Link personal page Link project 1 Link project 2 Link research 1 Link research 2
Samir Simon Suweis	samir.suweis@unipd.it	Department of Physics and Astronomy Padova Neuroscience Center	Complex systems, Network science, Physics of living systems	Link personal page Link project
Roberto Stroili	roberto.stroili@unipd.it	Department of Physics and Astronomy	Experimental, High energy Physics, Belle2	
Stefano Vassanelli 	stefano.vassanelli@unipd.it	Department of Biomedical Sciences	Brain-computer interfaces, Neuroengineering, Brain-inspired nanodevices	Link



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DI PADOVA



Supervisor	Email	Department	Free key words	Website
 Paolo Villoresi	pao.lo.villoresi@unipd.it	Department of Information Engineering	Quantum key distributions and quantum random number generator, Fundamental physics test in space using quantum communications, Integrated quantum technologies	Link
 Marco Zanetti	marco.zanetti@unipd.it	Department of Physics and Astronomy	Experimental High Energy Physics, Muon Collider, Machine Learning for Physics modeling and applications	Link



[Supervisor of Marie Curie Fellows](#)



PI funded by the [European Research Council \(ERC\)](#)

For more information about the supervisor see: <http://www.unipd.it/en/researchers-university-padova>