

Potential supervisors

Physics (PHY)

Supervisor	Email	Department	Free key words	Website
Vincenzo Amendola	vincenzo.amendola@unipd.it	Department of Chemical Sciences	Nanoparticles, Plasmonics, Laser	Link personal page Link project
Elisa Bernardini	elisa.bernardini@unipd.it	Department of Physics and Astronomy	Multi-messenger astrophysics	
Lisa Biasetto	lisa.biasetto@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






Supervisor	Email	Department	Free key words	Website
Alessandra R. Brazzale	brazzale@stat.unipd.it	Department of Statistical Sciences	Astrostatistics, Biostatistics, Epidemiology	Link personal page Link project
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
Fosca Conti	fosca.conti@unipd.it	Department of Chemical Sciences	Materials, Energy, Environment	Link
Michele Doro	michele.doro@unipd.it	Department of Physics and Astronomy	High Energy Astrophysics, Dark Matter Searches, Cosmic Ray Physics, Black Holes	Link
Alberta Ferrarini	alberta.ferrarini@unipd.it	Department of Chemical Sciences	Soft matter theory and simulations Chirality propagation Lipid vesicles and biomembranes	Link

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Supervisor	Email	Department	Free key words	Website
Lorenzo Fortunato	fortunat@pd.infn.it	Department of Physics and Astronomy	Theoretical Nuclear Physics, Nuclear structure, Nuclear reactions	Link personal page
Michela Mapelli  	michela.mapelli@unipd.it	Department of Physics and Astronomy	Black hole astrophysics, Bassive stars, Dynamics	Link
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	Link personal page 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

Supervisor	Email	Department	Free key words	Website
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 Link project
Gianpaolo Piotta 	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
Alvise Raccanelli	alvise.raccanelli.1@unipd.it	Department of Physics and Astronomy	Cosmology, Gravitational waves, Large-scale structure of the Universe	Link
Cinzia Sada	cinzia.sada@unipd.it	Department of Physics and Astronomy	Opto-microfluidics, Integrated Optics, Particle Manipulation	Link personal page Link project
Luca Salasnich	luca.salasnich@unipd.it	Department of Physics and Astronomy	Bose-Einstein condensation, Superfluidity, Nonlinear Phenomena	Link personal and project page

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Supervisor	Email	Department	Free key words	Website
Francesco Sedona	francesco.sedona@unipd.it	Department of Chemical Sciences	Surfaces, Microscopy, Self-assembly	Link
Alessandro Sfondrini	alessandro.sfondrini@unipd.it	Department of Physics and Astronomy	String theory, Quantum field theory, Integrable models	Link
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

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Supervisor	Email	Department	Free key words	Website
Stefano Vassanelli 	stefano.vassanelli@unipd.it	Department of Biomedical Sciences	Brain-computer interfaces, Neuroengineering, Brain-inspired nanodevices	Link
Paolo Villoresi 	paolo.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](#)



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