

MSCA PF 2023 @UniGe

Supervisor Expression of Interest

**MSCA domain
Physics (PHY)**

1. Andrea Amoretti

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Supervisor Expression of Interest

1.

First Name	Andrea
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MSCA domain	Physics (PHY)
Research focus area	Theoretical Physics, High energy physics methods for condensed matter physics, Strongly correlated electron systems, Quantum Field theory, AdS/CFT, AdS/CMT, Hydrodynamics
Department	Physics Department
Short description of the department/ laboratory/research group	The aim of my research group is to apply theoretical methods which are of common use in the context of high energy physics to tackle condensed matter problems. In particular I apply a combination of statistical physics methods, AdS/CFT, hydrodynamic effective field theory approach, quantum field theory to the study of strongly correlated electron systems and their transport properties. My group has longstanding collaborations with other theoretical physics group within Europe (Paris, Madrid, Wuerzburg among the others). I also have experimental collaborations with groups in Pisa and in Dresden.
Candidate fellows must send their candidature with a short description of their profile to this email address	andrea.amoretti@unige.it