

MSCA PF 2023 @UniGe

Supervisor Expression of Interest

MSCA domain Life Sciences (LIF)

1. **Pietro Ameri**
2. **Santina Bruzzone**
3. **Giorgio Grasselli**
4. **Alice Laroni**
5. **Luigi Vezzulli**

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1.

First Name	Pietro
Last Name	Ameri
Orcid ID	https://orcid.org/0000-0001-7167-7287
Other information	https://rubrica.unige.it/personale/V0dPWl1r
MSCA domain	Life Sciences (LIF)
Research focus area	Cardiology, Cardio-oncology
Department	Department of Internal Medicine
Short description of the department/ laboratory/research group	The group led by Pietro Ameri performs translational and clinical research in cardiology, with a major focus on the interplay between heart failure and cancer. The team is mainly made of young investigators and works partly in a laboratory within a research building and partly in a university hospital. The two sites are close to one another at walkable distance. Both MDs and PhDs are welcome!
Candidate fellows must send their candidature with a short description of their profile to the email address	pietroameri@unige.it

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2.

First Name	Santina
Last Name	Bruzzone
Orcid ID	0000-0003-2034-3716
Other information	https://rubrica.unige.it/personale/UkNHW1tr
MSCA domain	Life Sciences (LIF)
Research focus area	Biochemistry
Department	Department of Experimental Medicine (DIMES)
Short description of the department/ laboratory/research group	Our group (at the lab of Biochemistry at DIMES) focuses its studies on the role of the coenzyme NAD (derived from Vit. B) in different processes, aiming at identifying targets of interventions in different pathologies. To mention our main interests: 1. to target enzymes for NAD synthesis in cancer; 2. to target NAD-degrading pathways in obesity, with a focus on adipose tissue browning. Our group currently includes 2 post-doc, 3 PhD students, with the collaboration of other associate professors. For our studies, we take advantage of the main techniques used in biochemistry and cell biology. For more info, please contact Santina Bruzzone.
Candidate fellows must send their candidature with a short description of their profile to the following email address	santina.bruzzone@unige.it

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3.

First Name	Giorgio
Last Name	Grasselli
Orcid ID	0000-0002-2942-9615
Other information	https://rubrica.unige.it/personale/UkJCX1No
MSCA domain	Life Sciences (LIF)
Research focus area	Neuroscience, neurophysiology, neurobiology, neuroplasticity in health and disease
Department	Pharmacy Department DIFAR
Short description of the department/ laboratory/research group	We are investigating synaptic and non-synaptic (intrinsic and structural) plasticity of the olivo-cerebellar circuit underlying learning and memory, and its pathophysiological alterations in brain disorders, including Multiple Sclerosis, Ataxias, and Neurodevelopmental Disorders (Autism Spectrum Disorder) with a multi-disciplinary approach including viral vectors for in vivo gene silencing and gene expression, patch-clamp electrophysiology, immunohistochemistry and confocal microscopy for morphological studies, two-photon microscopy. (For further info: https://www.fens.org/careers/job-market/job/82673)
Candidate fellows must send their candidature with a short description of their profile to the email address	giorgio.grasselli@unige.it

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4.

First Name	Alice
Last Name	Laroni
Orcid ID	0000-0001-5599-9788
Other information	https://rubrica.unige.it/personale/U0NOXFph
MSCA domain	Life Sciences (LIF)
Research focus area	Neuroimmunology
Department	Department of Neuroscience, Rehabilitation, Ophthalmology, Genetics, Maternal and Child Science (DINO GMI)
Short description of the department/ laboratory/research group	Our laboratory performs ground-breaking research in the field of regulation of the immune response by NK cells. The laboratory has contributed to define the regulatory role of NK cells in health, its impairment in multiple sclerosis, its role of biomarker of treatment efficacy. The laboratory's current research focuses on the immunological effects of ageing in MS (funded by the Ministry of Health), effects of anti-SARS-CoV2 vaccination on innate immune responses in MS (funded by the affiliated institution IRCCS Ospedale Policlinico San Martino in 2021), the role of microbiome-derived metabolites in shaping the regulatory function of NK cells (funded by Italian MS Society), and immune-metabolic regulation of immune system (funded by the Italian Ministry of University).
Candidate must send their candidature with a short description of their profile to the email address	alice.laroni@unige.it

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5.

First Name	Luigi
Last Name	Vezzulli
Orcid ID	0000-0002-4368-1454
Other information	https://rubrica.unige.it/personale/UkNHWIIs
MSCA domain	Life Sciences (LIF)
Research focus area	MARINE MICROBIOLOGY: Study of the Biology, Ecology and Epidemiology of Marine Microbial Pathogens through Molecular ecology, Genomic and Metagenomic approaches including the development and application of bioinformatics pipelines
Department	Department of Earth, Environmental and Life Sciences (DISTAV)
Short description of the department/laboratory/research group	The Microbiology team at DISTAV is experienced in the field of Marine Microbiology and focus its research on the Study of the Biology, Ecology and Epidemiology of Marine pathogenic bacteria. The laboratory is equipped with all basic and advanced equipment in the field of Microbiology and Molecular biology. Further information can be found at https://luigivezzulli.weebly.com/
Candidate fellows must send their candidature with a short description of their profile to the following email address	luigi.vezzulli@unige.it