University of Brescia, Italy
A world of opportunities

www.unibs.it
Martinengo Palace
Rectorate (XVII century)
KEY FIGURES

16’800 students
650 academic staff
28 undergraduate programmes
5 single-cycle programmes
21 postgraduate programmes
44 schools of specialisation
12 PhD programmes
6 areas
8 departments

AREAS

- Economics
- Engineering
- Law
- Medicine
- Pharmacy
- Sustainable Agricultural System

DEPARTMENTS

- Economics and Management
- Civil, Environmental, Architectural Engineering and Mathematics
- Mechanical and Industrial Engineering
- Information Engineering
- Law
- Molecular and Translational Medicine
- Clinical and Experimental Sciences
- Medical and Surgical Specialties, Radiological Sciences and Public Health
Brescia

- 200,000 inhabitants in Town, 1,100,000 in Province
- 40% of the manufacturing capabilities of Milan with 10% population
- Lombardy: Top 3 GDP regions in Europe with London and Paris
- Unique economy: 100,000+ enterprises
- Ongoing radical change in its economy moving toward smart and sustainable manufacturing
- Young University (founded in 1982) fostering education and research excellence
Top reason to choose UNIBS

• **One of the best University under 50 in Italy** and in the world according to The Times Higher Education World University Ranking 2023

• **World class research groups**: University of Brescia is among the best Universities in Italy and in the world for the **high number of citations** received by its published works and for its research intensity

• The **first public University in Italy in terms of employability** of its graduates

• **Highly skilled supporting staff** (VISA, mobility arrangements, health insurance, accommodation, managing of your research project)

• **High quality of life**
How to apply with UNIBS

• By clicking on https://expertise.unibs.it/ you can browse the research groups at our University you might like to work and apply for your MSCA Postdoctoral Fellowship call with!

• Send your CV, an abstract of your project and the indication of the researcher you would like to be your supervisor to ricerca.internazionale@unibs.it

• Deadline: 15th July 2023
Contacts

Research and Innovation Office

*International Research and Cooperation Unit*

E-mail:

[ricerca.internazionale@unibs.it](mailto:ricerca.internazionale@unibs.it)
Thank you for your attention!
MARIE SKŁODOWSKA-CURIE ACTIONS Postdoctoral Fellowships 2023

Sara Rollino

Politecnico di Torino
POLITO, a technical University

2023 QS WORLD UNIVERSITY RANKING

#33 Engineering and Technology
#28 Architecture

11 Departments (Engineering and Architecture)
13 Interdepartmental centers
12 Open Access Research infrastructures
1 Competence Industry Manufacturing 4.0
1 Energy Center

36,900 students (20% international)
1500 professors and researchers

395 Eu & International projects funded (2014-2021)

➤ POLITO at a glance
11 Departments

**Industrial Engineering Area**
- **DENERG** _Department of Energy "Galileo Ferraris"
- **DIMEAS** _Department of Mechanical and Aerospace Engineering
- **DISAT** _Department of Applied Science and Technology

**Information Technologies Area**
- **DAUIN** _Department of Control and Computer Engineering
- **DET** _Department of Electronics and Telecommunications

**Engineering and Management and Mathematics for Engineering Area**
- **DIGEP** _Department of Management and Production Engineering
- **DISMA** _Department of Math, Sciences "Giuseppe Luigi Lagrange"

**Civil and Environmental Engineering, Architecture, Urban Planning & Design Area**
- **DAD** _Department of Architecture and Design
- **DIATI** _Department of Structural, Geotechnical and Building Engineering
- **DISEG** _Department of Structural, Geotechnical and Building Engineering
- **DIST** _Interuniversity Department of Regional and Urban Studies and Planning
# MSCA@PoliTO: 28 Postdoctoral Fellowships

<table>
<thead>
<tr>
<th>MSCA funding</th>
<th>Horizon 2020 2014–2020 (7 years)</th>
<th>Horizon Europe 2021–2022 (2 years ongoing)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Global Fellowships</strong></td>
<td>6</td>
<td>3</td>
<td>9</td>
</tr>
<tr>
<td><strong>European Fellowships</strong></td>
<td>13</td>
<td>6</td>
<td>19</td>
</tr>
<tr>
<td><strong>Budget</strong></td>
<td>3,7 M€</td>
<td>1,8M€</td>
<td>5,5M€</td>
</tr>
</tbody>
</table>

| Seal of Excellence      | 18                               | 15                                        | 33    |
MSCA Candidates attraction

Marie Skłodowska-Curie Actions (MSCA) POSTDOCTORAL FELLOWSHIPS (MSCA-PF-2023)

Are you a Postdoctoral Researcher willing to:
• Experience other research environments?
• Improve your scientific career?
• Diversify your research?

Apply @PoliTO for a MSCA Postdoctoral Fellowship!

You will:
• Widen your career prospects and international network
• Acquire new knowledge and skills
• Empower your CV through the exchange of knowledge with high-level experts
• Get a full time research position
• 100% funding of your project

European Fellowships: 12/24 months for researchers coming to PoliTO.
Global Fellowships: 24/36 months for researchers moving outside Europe (1 mandatory year of return to PoliTO).

At PoliTO you will experience a positive environment acknowledged by the "HR Excellence in Research" label and an International scientific community with 38,700 students, 20% from abroad.

As MSCA PF applicant, you will receive support and training for your application through a dedicated MSCA PF @ POLITO2023 support programme.

ELIGIBILITY CRITERIA
• Postdoctoral researchers: max 8 years of experience in research after PhD (with exceptions)
• Nationality: any nationality
• Mobility rule: no residence or activity for more of 12 months in the last 3 years in the country of the Host Organisation (less restriction for refugees)

HOW TO APPLY
• MSCA-PF-2023: EU “Funding & Tenders Portal”
• Write your research proposal on any research domain
• Specific training needs are funded
• Duration: 24 to 36 months
• Worldwide secondment, up to 1/3 of fellowship duration
• Application must be submitted with a Supervisor of Politecnico di Torino
• Opening: 12 April 2023 - Closing: 11 September 2023

FUNDING
• The grant provides an attractive allowance to cover your living, travel and family costs.
• Additional placement in non-academic sector within Europe (optional, up to 6 months)
• The monthly unit costs are:
  RESEARCHER:€ 5,080 | Mobility allowance € 600 | Family allowance € 660
  INSTITUTIONAL: € 1,000 | Research, training and networking costs € 650 | Management and indirect costs

info: mscapolito.it
MSCA Postdoctoral Fellowships
POLITO annual support to candidates

Support for proposal preparation:

Applicants identify their POLITO Supervisor → consult the webpages describing the 11 Departments.

Applicants choosing Politecnico di Torino as Host Institution → benefit from dedicated support:

✓ Infoday on the MSCA PF call
✓ In-depth webinars
✓ On-demand support from experienced staff
✓ Q&A sessions with the applicant and supervisor with experienced POLITO staff
✓ Proposal review service
MSCA Postdoctoral Fellowships
POLITO annual support to candidates

Support to funded projects:

**Funded proposals**, support during grant agreement preparation

**Project management**, daily assistance from the Department during the project implementation

**Immigration** desk support (*invitation letter, resident permit, VAT number,...*).

**On-boarding**, welcome services to better understand the University

**PoliTO benefits**: public transport pass, museum pass, kindergarten, counselling service which provide psychological support.

**Initial** **short term housing**

**National** **healthcare benefits**
Thank You and Best of Luck!

Surf the dedicated MSCA PF 2023 webpage for full information

https://www.polito.it/en/research/research-funding/horizon-europe/marie-sklodowska-curie-actions-msca/mscapolito-postdoctoral-fellowships
Let's Space!

Research project proposals to progress on the path of Space knowledge

Italian Space Agency (ASI, Rome, Italy)

Valerio Vagelli / Deodato Tapete
The Italian Space Agency

- Research and innovation
- Space economy, services and applications
- International commitment and participation

- CITIZENS
- SPACE AGENCIES
- ISTITUTIONS
- PRIVATE SECTORS
- UNIVERSITIES
- RESEARCH CENTERS
ASI space centers

ASI headquarters (Rome, IT)

R&D and research planning/execution with ASI researchers/technologists

International Space Station

ISS facility exploitation through ASI/NASA MoU

+ access to variegated R&D and research national/international facilities via agreements and MoU with research institutes

SARDINIA DEEP SPACE ANTENNA – SDSA

The Sardinia Deep Space Antenna (SDSA) is the new ASI’s scientific unit located in San Basilio, Cagliari.

“LUIGI BROGLIO” SPACE CENTER

The "Luigi Broglio" space center in Malindi, Kenya.

“GIUSEPPE COLOMBO” CENTER FOR SPACE GEODESY

The main ASI operation center, located in Matera

SPACE SCIENCE DATA CENTER – SSDC

The ASI center for the management and analysis of scientific data.
ASI research activities (a non-comprehensive snapshot)
ASI national industrial and research stakeholders

International collaboration frameworks
- ASI sponsor and supports the participation to EU activities in space and aerospace
- Third largest contributor to ESA programs
- Research collaborations with international space agencies (NASA, JAXA, CSA, ...)

Access to the whole space supply chain
- + 200 Space companies, 12 Technology clusters
  - Products, Services, Applications and Technologies transferr
  - New Space economy programs

Research and R&D collaborations with research centers and Universities
- Research agreements with Universities and research centers (e.g., INAF, CNR, INFN, ...)
- Strong net for close collaborations with academy and research groups
- Frontier laboratories, equipments and investigations
ASI MSCA Hosting Offers (1/2)

Earth observation from Space

Application of Hyperspectral PRISMA data: from CO$_2$ and CH$_4$ retrieval to the future perspective in Hazard Assessment
Dr. Paola Manzari / Dr. Maria Pedone

Integration of multi-sensor data from satellite, airborne and ground-based sensors for point-wise gas emission sources in natural and urban environments
Dr. Mario Siciliani de Cumis / Dr. Deodato Tapete

Space program planning

Cost analysis for complex space systems and space missions
Dr. Claudia Facchinetti / Dr. Raffaella Feltrin
ASI MSCA Hosting Offers (2/2)

Solar System, Space Weather and Exoplanet Climatology

The dynamics of small-scale magnetic fields in the solar atmosphere over a solar cycle
Dr. Marco Stangalini

Machine Learning for Automation in Data Selection onboard Space Missions
Dr. Denise Perrone

Exo-climatoloy by means of ExoplAn3T-ARTECS interconnection
Dr. Angelo Zinzi

Fundamental Physics and Cosmology

Spectroscopy studies at millimeter wavelengths: constraining the evolution of the Universe with CMB spectral distortions
Dr. Gianluca Polenta / Dr. Gemma Luzzi

Research programs to advance in the frontiers of astroparticle physics in space
Dr. Valerio Vagelli / Dr. Matteo Mergè
ASI offers the opportunity for hosting MSCA postdoctoral European fellowships on a wide spectrum of frontier research to advance in the field of Universe, Space and Earth sciences.

- Close collaborations with ASI expert supervisors to enhance the quality of the research programs and of knowledge transfer
- Access to ground/space research infrastructures to extend the program objectives and impacts
- Training on strategic fields for improved international career perspectives


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