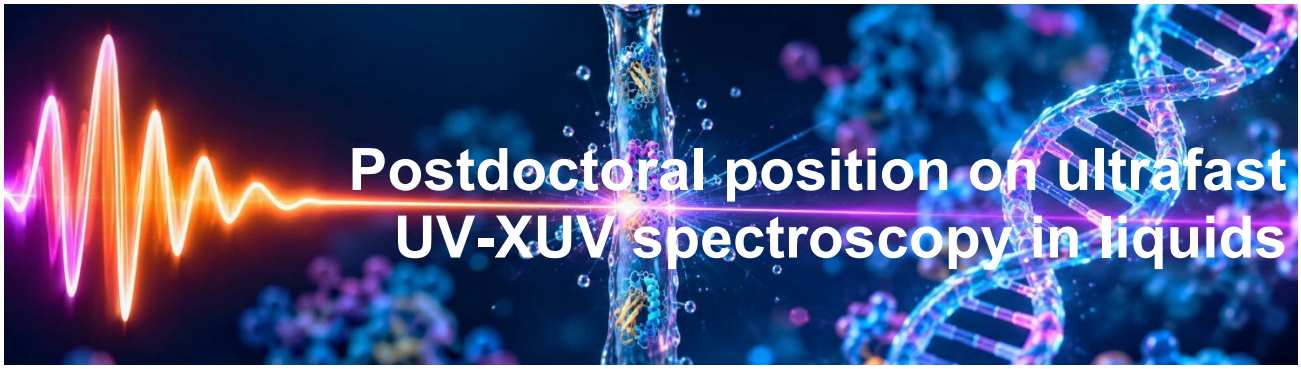


Postdoctoral position on ultrafast UV-XUV spectroscopy in liquids

We are looking for a highly motivated postdoctoral researcher to join our group in Milan, Italy. The position is funded by the FIS Consolidator Grant FASTBIO and offers an exciting opportunity to develop a pioneering approach to time-resolved photoelectron spectroscopy in solution, combining unprecedented temporal resolution with the ability to probe biomolecular systems in their natural environment.
As a postdoctoral researcher, you will play a leading experimental role in establishing and commissioning a new laboratory within our research infrastructure in Milan. The research is highly multidisciplinary, combining advanced few-cycle and XUV optics, pulse metrology, vacuum instrumentation, and charged-particle detection.

We expect you to:

- Take a leading role in the experimental development of the project. In particular, you will be responsible for realizing and commissioning the beamline for high-order harmonic generation at high repetition rates, and for designing and building a magnetic-bottle spectrometer, working closely with our collaborators.
- Conduct independent research as well as in collaboration with other team members of the group.
- Inspire younger scientists in the lab and co-advise master's degree projects and PhD students.
- Bring curiosity, initiative, and ambition.

We offer you:

- A dynamic and international working environment.
- Hands-on training and access to a broad range of advanced scientific facilities.
- The opportunity to take ownership of a challenging experimental project and develop your own scientific ideas.
- The following employment conditions:
  - An initial one-year contract, renewable for up to a total of two years.
  - Salary according to standard CNR pay scales, commensurate with the candidate's experience.
  - The possibility of undertaking teaching activities, remunerated separately, for up to 20% of working time.
  - A flexible starting date, with a latest starting date of March 2027.

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Position requirements:

- A PhD in Physics, Chemistry, or a related discipline. Applications from candidates who are close to completing their PhD (with more than three years of doctoral research experience) are also welcome.
- Proven experience in at least two of the following areas: ultrafast laser systems, high-order harmonic generation, ultrafast spectroscopy, and EUV/x-ray instrumentation.
- Good oral and written proficiency in English.

How to apply:

Applications shall be written in English and be compiled into a PDF file containing:

- CV, including a list of publications.
- Brief statement with a clear explanation of your motivation for joining our group and your intended scientific direction.
- Contact information of two references.

Please send applications before December 15th to: rocio.borregovarillas@cnr.it
Selected candidates will be contacted for an interview.
We believe that diversity and gender equality are essential to scientific excellence and are committed to fostering an inclusive research environment. Applications from women and candidates from underrepresented groups are particularly encouraged.

Contact and further information

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