

The Extreme Light Infrastructure (ELI) project is an integral part of the European plan to build the next generation of large research facilities identified and selected by the European Strategy Forum on Research Infrastructures (ESFRI). ELI is the first infrastructure in the world able to investigate interactions between light and matter with the highest intensity, in the so-called ultrarelativistic range. It will open a doorway into new territories within physics and establishing new technical developments such as relativistic microelectronics and small laser particle accelerators. ELI will have a considerable impact on numerous fields of materials science, medicine and environmental protection.

**We are looking for scientists to fill
both senior and junior positions in various fields of research**

The successful candidates will work as part of our scientific team in an international and interdisciplinary scientific environment by supporting various research projects of external user groups on ELI ALPS beamlines while leading or participating in internal R&D activities.

Duties and Responsibilities:

The tasks of our new colleagues include but are not limited to the following:

- participating in or leading the support team in external user campaigns,
- participating in or leading the design, preparation and execution of upgrades of existing laser and secondary sources,
- participating in or leading the design and construction/assembly of additional group-managed equipment,
- the candidates will also have the possibility to conduct their own research, when beamtime is available. The candidates are expected to have a vision of projects that could be carried out using the available infrastructure.

Minimum education and experience:

The successful candidates must hold an MSc in physics, laser engineering, optics, photonics, high harmonic generation (HHG), attosecond physics, and atomic, molecular and optical (AMO) physics (or closely related disciplines) or any other related scientific field. Applications of candidates on track to complete their PhD are also considered.

Required skills and abilities:

- ability to work as part of a scientific support team, but also independently in the laboratory,
- broad practical knowledge of high-power, ultrafast pulse generation, amplification, propagation and manipulation,
- experience with ultrafast pulse characterization methods,
- good written and oral communication skills in English.

What we can offer:

- challenging tasks and room for career advancement while working with cutting-edge technology in an international scientific environment,
- competitive benefit package in regional comparison,
- flexible working hours,
- attractive living standards in a socially vibrant city.

Job location:

Hungary, Szeged

If you are interested in the position, please upload your CV and motivation letter to our Career Site at <https://www.eli-alps.hu/en/Career-1>