

Postdoc and PhD position in the field of quantum entanglement in biology and imaging - Prague

Open positions at ELI Beamlines facility in Prague.

Application of quantum entanglement in biology and imaging:

- 1) postdoc position, potentially for up to 4.5 years
- 2) PhD position for 4 years

Positions are about to be open since mid-2021

*** Requirements for the ideal candidate in the order of priority ***

- Practical and/or theoretical experience with generation and analysis of entangled photon pairs
- MSc or PhD in Physics, Biophysics, Physical chemistry, Optics, Laser-science or related
- Experience with kHz fs laser amplifier systems
- Practical experience with time correlated single photon counting experiments
- Knowledge of nonlinear optics or ultrafast and coherent spectroscopy
- Practical hands-on experience with building experimental optical set-ups
- LabVIEW, Matlab, Python, C++ or related essentials
- Background in molecular physics, biophysics or chemistry

*** We offer ***

- Possibility to work in a state-of-the art lab where highly innovative techniques are being developed
- Work place where people with new ideas and passion for realization can try new things
- Open space for interdisciplinary studies
- Competitive salary
- Highly motivating fresh friendly international team environment
- Unique Chance to spend some years in the beautiful ancient city of Prague while building a carrier in top notch experimental Science
- Access to excellent Czech beer for student prices as a natural aspect of the environment

Anybody interested is encouraged to mail his or her questions or application, ideally including CV and motivation letter, to: Miroslav.Kloz@eli-beams.eu