

Postdoc positions in Budapest

The NAPLIFE (Nanoplasmonic Laser Induced Fusion Experiment) research laboratory in the Wigner Research Centre for Physics, Budapest, (<https://wigner.hu/naplife/en>) announces the opening of the following full-time positions in 2021:

1. *Planning and implementation of femtosecond laser experiments for investigating the project related high intensity laser-matter interactions.*

Required Qualification and Skills

- MSc in **physics** or in a related science or technology field is required, PhD preferred.
- Experimental skill, strong self-motivation and independent problem solving ability
- Experience with ultrafast lasers and nonlinear optics or with plasmonics are preferred
- Good command of the English language

The successful candidate will join the laser research group of the NAPLIFE research laboratory. *His/her tasks include experimental research with laser systems for investigating the nanoplasmonic enhancement effects of the energy absorption in various nanotechnologically fabricated target materials.*

2. *Characterization of plasmonic samples irradiated with femtosecond pulsed lasers by using vibrational spectroscopy and other material characterization techniques.*

Required Qualification and Skills

- PhD in **physics, chemistry, material** science or related disciplines
- Experience in optical spectroscopy, material characterization, lasers, polymer technology
- Strong self-motivation and the ability to solve problems independently
- Good command of the English language

The successful candidate will join the sample characterization group of the NAPLIFE research laboratory. *His/her tasks include optical and other experimental research with SERS and other methods to search for low quantities in samples, before and after irradiation.*

We offer:

- Competitive salary in the range of 300.000 – 500.000 HUF/month with Msc, 500.000 – 800.000 HUF with PhD, depending on qualification and experience
- Work in modern laboratories located in Budapest and Szeged
- Optimal and flexible working schedule in a scenic environment on the hill Csillebérc
- Commuting possibility with buses hired by the Wigner RCP to locations in Budapest

The contracts are initially for the period **March 1, 2021 – December 31, 2021** with a possibility of prolongation depending on the financial support for the NAPLIFE project. This project is planned to end in 2024.

The considerable candidates must provide the following information until 12:00 CET, **February 15, 2021**, to the e-mail address: allas@wigner.hu:

- A cover letter declaring the candidate's interest in the position
- A concise CV, clearly displaying the career milestones of the candidate
- A link to scientometric data of the candidate (google scholar preferred)
- Information about their electronic availability (e-mail, skype, phone, etc.)
- PDF copies of letters of reference, if any

We contact selected candidates for a possible interview in the period of **February 16 – 24, 2021**.