



Job ID: #JOB23/2018

Job Description

Job Title: PostDoc in the theory of ultra-cold gases

Job Summary:

Theoretical studies of a few-body physics experimentally realized with ultra-cold atoms

Job Description:

The PostDoc will participate in the theoretical project "Two-component mixtures of a few attractive ultra-cold fermions" inspired by the most recent experiments in the field of ultra-cold gases confined in optical traps. The main objective is to perform very accurate, realistic numerical simulations which will bring us closer to a better understanding of physics of a few attractive fermions. In addition, the successful candidate will help to supervise PhD Student in the project.

Profile of a candidate for the PostDoc position:

- PhD degree obtained (or PhD thesis submitted) in theoretical physics, ideally in the field of ultra-cold atoms physics,
- strong background in a whole area of theoretical physics,
- experience in collaboration with experimental groups is advantageous,
- scientific publications as a first author in recognized international journals,
- experience in numerical modeling of complex quantum systems is expected,
- ability to work in a team as well as independent scientist,
- very good spoken and written English.

The project is granted by the (Polish) National Science Center and it is carried out in the international collaboration by a dynamic and innovative group of young scientists.

Main research field: Physics

Sub Research Field: Quantum mechanics

Career Stage: Experienced researcher or 4-10 yrs (Post-Doc)

Research Profile ([details](#)): Recognised Researcher (R2)

Type of Contract: Temporary for one year with possible extension.

Status: Full-time

Salary: Depends on qualifications

From 5500 to 6500 PLN per month (net, **after all taxes**).

Contact

More information can be found at www.FewBody.ifpan.edu.pl
and obtained from prof. Tomasz Sowiński
(tomsow@ifpan.edu.pl, www.ifpan.edu.pl/~tomsow).

Application details

Application deadline: June 15, 2018. Later applications may also be considered.

Required materials:

- Curriculum Vitae
- List of publications
- Research statement
- Names and contact informations of two researches who agreed to write a recommendation letter

All materials should be submitted in electronic form to the address: jobs@ifpan.edu.pl with Job ID in the subject.