



# Institute of Physics of the Polish Academy of Sciences

## Scholarship for a PhD Student



**Job ID:** #JOB07/2017

### Job Description

**Job Title:** PhD student 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 PhD student 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.

Profile of a candidate for the PhD student position:

- master degree obtained (or master's thesis submitted) in theoretical physics or in related field,
- numerical modeling and programming skills,
- research experience in related field, ideally proven by publications,
- 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:** Early stage researcher or 0-4 yrs (Post-graduate)

**Research Profile** ([details](#)): First Stage Researcher (R1)

**Type of Contract:** Temporary for 42 months term

**Salary:** 2500 PLN per month (untaxed scholarship).

### Contact

More information can be obtained from  
prof. Tomasz Sowiński (e-mail: [tomsow@ifpan.edu.pl](mailto:tomsow@ifpan.edu.pl), [www.ifpan.edu.pl/~tomsow](http://www.ifpan.edu.pl/~tomsow)).

### Application details

**Application deadline:** June 30, 2017. Later applications may also be considered.

**Required materials:**

- Curriculum Vitae
- List of publications

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