

## **Postdoctoral position in the Laboratory of Quantum Molecular Systems**

### **Project:**

"Ultracold quantum mixtures of ions with atoms, molecules, and Rydberg atoms: novel hybrid systems and applications" within the OPUS grant from the National Science Centre. The project will be realized in the Centre of New Technologies at the University of Warsaw under the direction of **dr. Michał Tomza** (<http://quantmol.cent.uw.edu.pl>).

The aim of the project is to propose novel hybrid systems based on ultracold quantum mixtures of atomic ions with atoms, molecules, and Rydberg atoms and to investigate theoretically their properties, dynamics, and potential applications in frontier research.

### **Candidate's profile:**

- Ph.D. degree in physics, chemistry or related field (as for September 2017).
- Interest in the subject and motivation to scientific work.
- Knowledge of quantum mechanics and experience in programming.

### **Application should include:**

- Cover letter.
- Curriculum Vitae with the list of publications.
- Contact details of two referees.

### **Candidate should expect:**

- Salary of **5000+ PLN** (brutto) per month for 6-24 months.
- Participation in scientific schools and conferences.
- To learn and develop skills in the field of AMO physics and quantum chemistry.

### **How to apply:**

Applications should be submitted to dr. Michał Tomza by e-mail: [m.tomza@cent.uw.edu.pl](mailto:m.tomza@cent.uw.edu.pl) not later than June 30, 2017.

All applicants are encouraged to contact dr. Michał Tomza prior to the application.