

M.Sc. / B.Sc. student 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:

- The status of an undergraduate student in physics, chemistry or related field.
- Wish to complete B.Sc. or M.Sc. thesis in physics or chemistry in our Laboratory.
- Interest in the subject and motivation to scientific work.
- Knowledge of quantum mechanics and experience in programming will be an additional advantage.

Application should include:

- Cover letter.
- Curriculum Vitae.
- Transcript of records from undergraduate studies.

Candidate should expect:

- Scholarship up to **1000 PLN** (brutto) per month for 12 or 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 not later than September 15, 2017.

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