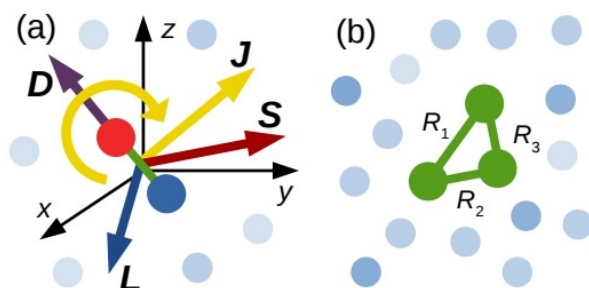


## Two Ph.D. student positions in the Quantum Molecular Systems Group

### Project:

"Quantum engineering of novel ultracold complex molecular systems: from diatomic to polyatomic molecules" within the FIRST TEAM grant from the Foundation for Polish Science. The project will be realized at the Faculty of Physics of the University of Warsaw under the direction of **dr. Michał Tomza** (<http://quantmol.uw.edu.pl>).



The aim of this project is to propose and theoretically investigate new applications and new ways of producing, controlling, and manipulating of ultracold complex molecules including both diatomic molecules in non-trivial electronic states and polyatomic molecules, and thus to extend the range of systems and quantum phenomena ready at hand to be produced and employed in modern ultracold quantum experiments.

### Candidate's profile:

- M.Sc. degree in physics or related field (as for September 2019).
- Wish to complete Ph.D. thesis in physics in our group.
- 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.
- Contact details of one or two referees.

### Candidate should expect:

- Scholarship of **4500 PLN** (netto) per month for 36 months.
- Participation in projects at the forefront of AMO physics and quantum chemistry in collaboration with our foreign theoretical and experimental research partners.
- 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: [mtomza@fuw.edu.pl](mailto:mtomza@fuw.edu.pl) not later than June 25, 2019.

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