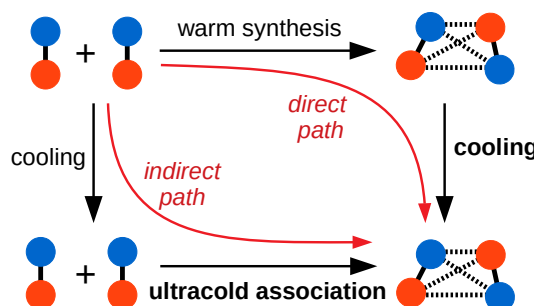




Postdoctoral positions in the Quantum Molecular Systems Group

Projects:

"Ultracold polyatomic molecules for controlled chemistry and precision physics" within the **ERC Starting grant**. The project will be realized at the Faculty of Physics of the University of Warsaw under the direction of **prof. Michał Tomza** (<http://quantmol.uw.edu.pl>).



The aim of this project is to understand and harness the increasing complexity of ultracold polyatomic molecules to probe the fundamentals of chemistry and physics. We will extend the range of ultracold polyatomic molecules and their applications in controlled chemistry and precision spectroscopy.

Candidate's profile:

- Ph.D. degree in physics, chemistry or related field (at the day of employment).
- Interest in the subject and motivation to scientific work.
- Extensive computational experience in molecular electronic structure and/or rovibrational dynamics and/or scattering calculations.
- Knowledge of quantum theory including electronic structure and/or rovibrational dynamics and/or scattering as well as experience in programming.

Application should include:

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

Candidate should expect:

- Salary up to **15000 PLN** (gross) per month for 12-36 months (from Feb 1, 2023).
- 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.
- Learning and developing skills in the field of AMO physics and quantum chemistry.

How to apply:

Applications should be submitted to prof. Tomza by e-mail: michal.tomza@fuw.edu.pl not later than December 31, 2022.

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