



JAGIELLONIAN
UNIVERSITY
IN KRAKOW

Faculty
of Physics,
Astronomy
and Applied
Computer Science

SCHOLARSHIP COMPETITION

within OPUS 9 research project of National Science Centre
„New explorations of bonding in diatomic van der Waals molecules:
high resolution rotational spectroscopy and advanced *ab initio* calculation –
probing sources of discrepancies” realized till January 2019
in Faculty of Physics, Astronomy and Applied Computer Science,
Jagiellonian University in Krakow, Poland

The scholarship consists of two independent parts:

- A. One **PhD scholarship 3000 PLN per month** during realization of the project, for a PhD candidate studying **physics, biophysics, advanced materials and nanotechnologies, physical chemistry, molecular modelling, spectroscopy, applied computer science OR RELATED DISCIPLINES.**
NOTICE: THE SCHOLARSHIP IS AVAILABLE IN ADDITION TO ANY SCHOLARSHIP THAT IS CURRENTLY RECEIVED (SO, TOGETHER OVER 4000 PLN PER MONTH)
- B. One **MSc scholarship 500 PLN per month** during realization of the project (6 months in each academic year) for a MSc candidate studying **physics, biophysics, advanced materials and nanotechnologies, physical chemistry, molecular modelling, spectroscopy, applied computer science OR RELATED DISCIPLINES.**

Planned scientific activity:

Participation in the project involves experimental work (including programming of the apparatus and development of software used in the experiment) as well as computational work (using programs for simulation of molecular spectra). Experiment involves high-resolution laser spectroscopy of van der Waals molecules in supersonic beams.

Expectations from candidates:

- 1) inclinations for self-learning and for acquiring new experience; motivation for systematic work,
- 2) basics of programming (e.g. Java, LabVIEW) is welcomed,
- 3) rudimentary knowledge of English (especially scientific English),
- 4) basics knowledge on laser spectroscopy of atoms and molecules is welcomed.

Application:

- 1) application with motivation letter (including CV),
- 2) copy of BSc certificate (case A),
- 3) copy of participation in BSc studies (case B),
- 4) list of publications, internships, participation in conferences, research projects, training courses, awards; NOTE: lack of scientific output does not excludes from the competition.

Deadline for applications: February 28, 2017.

Competition results by: March 3, 2017.

Contact:

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