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ICHF 1/2018

MSc student position in the Nuclear Hyperpolarization of Molecular Systems and Nanomaterials Research Group

This position is funded by The Polish National Science Centre



Job title: MSc student (First Stage Researcher - R1)
Type of contract: scholarship for 9 months. 500 PLN (tax free) per month
Estimated job starting date: 01.08.2018

Job description:

The MSc student will participate in the project entitled “Oligopeptides NMR Signal Amplification by Reversible Exchange” which is funded by The Polish National Science Centre (OPUS 2016/21/B/ST4/02162, principal investigator, Tomasz Ratajczyk). In this project the MSc student will be involved in the development of the parahydrogen based hyperpolarization method known as Signal Amplification by Reversible Exchange – SABRE. SABRE hyperpolarization experiments will be the main tasks for the MSc student. **The MSc student will be obligated to prepare and defend an MSc thesis under the supervision of Dr Tomasz Ratajczyk.**

Application procedure:

Please note that only master’s level students are eligible to apply

Application deadline: 01.07.2018

The application should include:

- CV
- copy of BSc diploma
- filled and signed declarations – both in English and Polish

(applications without these declarations will be not considered!):

English

http://ichf.edu.pl/RODO_scholarship-student_consent.doc

Polish

http://ichf.edu.pl/RODO_student-stypendysta_zgoda.doc

During the recruiting process, the candidate **will be asked** to attend an interview with the recruiting committee.

Results of the competition: 20.07.2018

Requirements/Criteria:

- **high level of motivation to conduct research.**
- basic knowledge about Nuclear Magnetic Resonance (some experience with an NMR spectrometer will be an asset)
- good English. Candidate should be able to read and write scientific texts in English.

Application must be sent to the commission by e-mail:

rekrutacja@ichf.edu.pl under reference

numer: **ICHF 1/2018** (applications without this number will be not considered!)

The student will have access to a well equipped NMR laboratory, and will work in a stimulating and friendly atmosphere which promotes individual development with training and seminars. There will be opportunities for international travel to work with our collaborators.

It should be stressed that this scientific training will provide the applicant with skills which will be unique. Therefore, this scientific experience and knowledge of modern NMR and NMR spectroscopy will be priceless for the student's future career in science or industry.

The MSc student will be selected in accordance with the official recommendations of :

- The Polish National Science Centre:

https://www.ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2016/uchwala96_2016.pdf

https://www.ncn.gov.pl/sites/default/files/pliki/decyzja_ministra_stypendia_naukowe_2016.pdf

- Institute of Physical Chemistry PAS in particular those underlying the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers:

http://www.ichf.edu.pl/employment_policy.pdf