



PhD student or Post-Doctoral Position for the ENSAR2 European Project/TechIBA, innovative medical radioisotope studies at the Heavy Ion Laboratory, University of Warsaw

An 18-month position for a PhD student or Post-Doctoral candidate is open within the ENSAR2/Techiba JRA workpackage programme related to investigations of the production yield and purity of innovative medical radioisotopes produced using the accelerators of the Heavy Ion Laboratory, University of Warsaw (HIL UW, <http://slcj.uw.edu.pl/>). Candidates studying for a PhD are expected already to pursue related subjects at their home university and the results obtained in Warsaw should be considered as a contribution to this work. Post-doctoral candidates should be working in areas related to the production and investigation of the properties of medical radioisotopes. The successful candidate will be employed by HIL UW starting from May 1, 2018.

The successful candidate will participate in target preparation, cyclotron beam irradiations, gamma-ray spectra collection and evaluation, thick target yield calculations and isotopic purity determinations. The results obtained will be compared with theoretical calculations based on reaction code predictions. The chemical preparation of some radiopharmaceuticals and testing using an animal PET device may also be considered.

The Heavy Ion Laboratory is located at the heart of the Ochota scientific campus of the University of Warsaw which offers a multi-disciplinary environment with the Physics, Chemistry, Biology and Mathematics faculties and the Biological and Chemical Research Centre nearby. The Warsaw Medical University is also located on the Ochota scientific campus. We collaborate closely with the Institute of Nuclear Chemistry and Technology, situated a few kilometres from our Laboratory. This Institute employs our radioisotopes, produced using the K=160 heavy ion and PETtrace medical cyclotrons, for the preparation of research quantities of innovative radiopharmaceuticals.

Candidates interested in the position should send their applications (letter of motivation including a brief description of previous work experience, curriculum vitae, school leaving certificate, university degree including grades, publication list including poster presentations and Skype number for a possible online interview) to:

Mateusz Sitarz

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msitarz@slcj.uw.edu.pl, phone +48 606 718 211*

before **MARCH 31**. Letters of recommendation from the candidate's previous research leader or current supervisor are welcome and should be sent to the above address.