



## **Recruitment ICHF 62/2020**

### **Surface Nanoengineering for Chemo- and Bio-Sensors**

#### **Student position**

**Number of positions available: 1**

We are looking for a **student-scholarship** to work in a project entitled "Optical fiber biosensing systems for fast and early identification of inflammatory factors" **UMO-2019/35/B/ST7/04388** financed by the National Science Center Poland led by prof Joanna Niedziółka-Jonsson

#### **Description of tasks:**

The main goal of this project is to develop an optical fiber-based sensor for the local and fast detection of inflammatory markers in the body. The student's task will be to permanently modify the surface of the end-face of optical fibers in order to immobilize receptors, e.g. antibodies, which will be responsible for the selective detection of inflammatory markers, both in the buffers themselves and in physiological fluids, and to determine the physicochemical parameters of such sensors, e.g. sensitivity, and selectivity.

Detailed tasks: modification of the end-face of the optical fibers and optical measurements of this fiber with the use of an interferometer

#### **Requirements:**

Student on bachelor or master level at universities in Poland in chemical, physical, biological or related sciences

High grade point average from studies

Strong motivation for experimental work

Good command of the English language

#### **Complete application should include the following items:**

scientific curriculum vitae, including a list of scientific achievements (scholarships, publications, patents, conference presentations, etc.).

motivation letter

completed and signed declarations - both in English and Polish (applications without these declarations will not be considered):

English: [http://ichf.edu.pl/RODO\\_scholarship-student\\_consent.doc](http://ichf.edu.pl/RODO_scholarship-student_consent.doc)

Polski: [http://ichf.edu.pl/RODO\\_student-stypendysta\\_zgoda.doc](http://ichf.edu.pl/RODO_student-stypendysta_zgoda.doc)

The best applicants might be invited for an interview (on-site or online).

**Application deadline:** September 30, 2020, 12:00

**The form of submitting offers:** e-mail: [rekrutacja@ichf.edu.pl](mailto:rekrutacja@ichf.edu.pl) indicating the recruitment number: **ICHF 062/2020**

**Employment conditions:** Scholarship of PLN 2,000 per month / 12 months with the possibility of extending it to 36 months. Envisaged job starting date: October 1, 2020

**Additional information:**

The scholarship will be awarded in accordance with the NCN regulations: *„Regulamin przyznawania stypendiów naukowych w projektach badawczych finansowanych ze środków narodowego centrum nauki”*

[https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2019/uchwala25\\_2019-zal1.pdf](https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2019/uchwala25_2019-zal1.pdf)

More information available: <http://www.surfacenanogroup.com/>

By submitting the application you consent to the processing of your personal data in the recruitment process.

The controller of your personal data is the Institute of Physical Chemistry of the Polish Academy of Sciences with its registered office in Warsaw, NIP: 5250008755 (the "Institute"). The Institute will process your data for the purpose of carrying out scientific and research activities, providing services and contact with the Institute, on the basis of a contract (in connection with the performance of the contract or in order to take action on your request before the contract is concluded - Article 6, paragraph 1, letter b) of GDPR), the legitimate interest of the Institute (Article 6, paragraph 1, letter f) of the GDPR) and legal provisions (Article 6, paragraph 1, letter c) of the GDPR) - depending on the circumstances.

You have the right to: request access to your data, receive a copy of it; rectify (correct) it; delete it; limit its processing; transfer it; lodge a complaint to the supervisory body; withdraw your consent for processing at any time (withdrawal of consent does not affect the lawfulness of the processing carried out prior to its withdrawal) or to lodge an objection to data processing. More information is available on the Institute's website.

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