

## FORM FOR EMPLOYERS

**INSTITUTION:** AGH University of Science and Technology

**DEPARTMENT:** Department of Silicates Chemistry and Macromolecular Compounds

**CITY:** Krakow

**POSITION:** Assistant professor in a group of academic workers

**DISCIPLINE:** Nanoscience and Nanotechnology speciality

**POSTED:**

**EXPIRES:** 15 December 2021

**WEBSITE:** <https://www.agh.edu.pl/biuletyn-informacji-publicznej/konkursy-dla-nauczycieli-akademickich/ogloszenia-o-konkursach/>

**KEY WORDS:** Synthesis, biocompatibility, MTT assay, Up conversion materials

### **DESCRIPTION (field, expectations, comments, requirements):**

Faculty of Material Science and Ceramics at AGH University of Science and Technology in Krakow, opens an opportunity to participate in the development of Up conversion nanomaterials for optogenetics under the supervision of Prof. Dominick Dorosz. Applications are being sought from Ph.D. graduates with backgrounds in synthesis of nanomaterials, photoluminescent properties, nanoscience, and nanotechnology with at least 5 years of experience. Applicants must have a proven track record of research.

Selected candidate will be responsible of:

1. Design, construction, and synthesis of up conversion materials and their functionalization with biocompatible polymers.
2. Evaluate the cell viability of developed materials.
3. Analysis of physicochemical properties, toxicity and biocompatibility of developed materials.
4. Conducting cell cultures protocols.

### **SKILLS/QUALIFICATIONS:**

1. Postdoctoral research experience in a foreign country.
2. PhD in Nanoscience and Nanotechnology
3. Experience in Material Science, synthesis and characterization of luminescent materials.
4. Experience in the material functionalization for biomedical applications.
5. Knowledge of conjugated polymers.
6. Familiarity with the development of plan laboratory experiments base on specific goals.
7. Experience in hazardous waste generator storage.
8. Experience in hazard communication and laboratory safety.
9. Knowledge of research of biological safety and bloodborne pathogens.
10. Active participation in scientific life expressed by participation in research projects, scientific conferences, and scientific publications.
11. Ability to carry out independent research work, including formulating and testing hypothesis as well as planning and performing experiments.
12. Knowledge of basic computer programs, including statistical programs, Matlab, Photoshop, image stabilizer and time series analyzer of Image J.
13. Wide knowledge writing scientific and/or technical reports.
14. Experience interpreting test data and reporting findings.
15. Teaching abilities.
16. Multiple project management.
17. Good communication skills (verbal and written).
18. Scientific and organizational achievements

**SPECIFIC REQUIREMENTS:**

1. Hippocampal cell culture knowledge.
2. MTTA toxicologic essay.
3. Experience in record, analysis, and evaluation of hippocampal neural stimulus.
4. Experience working in laboratory mouse.
5. Knowledge of animal worker protection programs.
6. Compliance with generally accepted ethical standards.

**DOCUMENTS REQUIRED**

1. CV
2. Document confirming PhD degree (If language of your title is different to Polish, this should be nostrified).
3. List of publications, conferences, trainings and organizational activities
4. B2/TOEFL Certificate or a letter that confirm your English abilities.

**DOCUMENTS MUST BE SUBMITTED AT:**

Dean's Office of Faculty of Materials Science and Ceramics, AGH UST al. Mickiewicza 30, 30-059 Krakow, Poland, bldg. B-8, room 0.24 e-mail: [imic@agh.edu.pl](mailto:imic@agh.edu.pl)

The AGH University will be the candidate's main place of employment.

*The AGH University of Science and Technology does not require you to provide any information or data other than those resulting from the applicable law (name/names, surname, date of birth, contact details, education, professional qualifications and employment history). However, if you choose to include your photograph or any other information, please fill in and attach this statement of consent to the processing of personal data, which constitutes an attachment to this information.*

*The controller of your personal data processed in order to carry out the recruitment process for the above-mentioned position is the Stanisław Staszic AGH University of Science and Technology in Krakow, al. A. Mickiewicza 30, 30-059 Krakow. You can read the full information concerning the processing of your personal data on the AGH University of Science and Technology's website after going to the "Protection of personal data" tab at ([www.agh.edu.pl/RODO](http://www.agh.edu.pl/RODO)).*

*The University reserves the right not to settle the competition without providing any reason or justification.*

*Winning the competition is not tantamount to ensuring the candidate's employment. The result of the competition serves solely as a recommendation to the Rector in this regard. The final decision concerning the employment will be made by the Rector.*

Cracow, date.....

.....  
*name and last name*  
.....  
*address*

### CONSENT TO PERSONAL DATA PROCESSING

(recruitment - employee)

By virtue of Article 7 of the Regulation of the European Parliament and Council (EU) 2016/679 of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC, hereinafter referred to as "GDPR", I hereby give my consent to the processing of my personal data other than the data mentioned in Article 22<sup>1</sup> § 1 of the Labour Code and contained in my CV and other application documents, and to the reproduction of my physical likeness for the purposes of recruitment and selection for the position of research assistant professor .

Additionally, I hereby represent that the request for consent has been presented in an explicit and clear form and that I have been informed about a possibility of withdrawing my consent at any time as well as about consent accountability. I have also been informed about the fact that the data are collected by **AGH University of Science and Technology, al. A. Mickiewicza 30, 30-059 Krakow**, the purpose of their collection, freedom of their disclosure, and the right to access and rectify the data.

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*Date and signature of the candidate*