

We are looking for two candidates for Ph.D. in our group. More info is below:

#### **Requirements:**

- Master's degree in chemistry (in materials sciences).
- Experience in nanomaterials synthesis.
- Experience in spectroscopy is welcome.
- Good level of English, necessary for reading literature and preparing articles, dissemination of obtained results at group meetings and conferences.

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

Ph.D. student will join the project "Nanoparticles showing persistent up-conversion luminescence – synthesis and characterization of properties." The project's primary goal is to synthesize NPs characterized by persistent luminescence under excitation by NIR light. A short description of the project:

<https://www.ncn.gov.pl/sites/default/files/listy-rankingowe/2021-09-15okipi34a/streszczenia/533893-pl.pdf>

The main task of a Ph.D. student will be the synthesis of materials, surface functionalization of nanoparticles, characterization of the obtained materials, including luminescence spectra measurements, writing articles, and participation in conferences.

#### **Conditions of employment**

- Adam Mickiewicz University in Poznan is one of the top Polish universities.
- We offer a full-time Ph.D. scholarship (48 months) for 5000 PLN / month (gross).
- Work in a young team in an excellent scientific environment.

#### **Additional information**

The project is ongoing in cooperation with three partners: the Institute of Low Temperature and Structural Research Polish Academy of Sciences in Wrocław, Universidad de La Laguna in Spain, and Université Paris-Saclay in France. For this reason, short visits to these institutions are planned during the doctorate.

The following documents: CV, description of professional experience, list of publications, letter of intent, and references should be sent by e-mail to Prof. UAM dr hab. Tomasz Grzyb [nano@amu.edu.pl](mailto:nano@amu.edu.pl)

The successful candidate will be subject to the recruitment to the Doctoral School of Exact Sciences at the Adam Mickiewicz University.

Please include the following clause in your CV: "I agree to the processing of personal data provided in this document for realizing the recruitment process pursuant to the Personal Data Protection Act of May 10 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of April 27 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 (General Data Protection Regulation)."

Our website and more information about research and facilities in the group: [lanasylum.amu.edu.pl](http://lanasylum.amu.edu.pl)