



POLSKA AKADEMIA NAUK  
**INSTYTUT PALEOBIOLOGII**

*im. Romana Kozłowskiego*

---

ul. Twarda 51/55, 00-818 Warszawa

phone: (4822) 697-88-50; fax: (4822) 620-62-25

e-mail address: [paleo@twarda.pan.pl](mailto:paleo@twarda.pan.pl); <http://www.paleo.pan.pl>

## **Konkurs na stanowisko doktoranta-stypendysty w Instytucie Paleobiologii PAN**

**Nazwa stanowiska:** PhD student

**Wymagania:**

- M.Sc. in chemistry/biology/Earth and environmental sciences;
- Good English skills in writing and speaking.

Additionally:

- Some experience in conducting research, preferably in the topics of protein extraction and identification and/or biominerals and biomineralization processes.

**Opis zadań:**

The successful candidate will work with prof. Jarosław Stolarski and number of local and external researches (including co-supervisor from University of California, Los Angeles, CA) to pursue novel research at the interface of biochemistry and Earth and environmental sciences. The main emphasis of the project is on extraction and analyses of individual proteins and the proteome complex extracted from fossil, modern and experimentally altered fish otolith samples. Otoliths are mineral, calcium carbonate structures that are part of the gravity receptors of fish. Otoliths are frequently found in the fossil record and serve to interpret palaeobiodiversity of fish due to unique taxonomy-related morphology and in palaeoenvironmental interpretations owing to preservation of various isotope and geochemical environmental proxies. Although morphologically they resemble inorganic aggregates of calcium carbonate crystals, they are formed in a strictly genetically regulated process that involves activity of several proteins. The basic research method will be SDS-PAGE electrophoresis; other methods will include liquid chromatography with tandem mass spectrometry (LC-MS/MS), and various microscopic techniques (including FE-SEM, TEM, AFM).

**Typ konkursu NCN:** OPUS – ST

**Termin składania ofert:** 31 lipca 2022, 23:59

**Forma składania ofert:** email

**Warunki zatrudnienia:**

PhD Scholarship;  
Duration: 48 months;  
Starting date: Fall 2022;  
Salary: 60 000 PLN/year + travel budget.

**Dodatkowe informacje:**

The admission procedure consists of two parts:

(1) The application, consisting of (1) a curriculum vitae and (2) a brief description of research interests, should be sent to: [stolacy@twarda.pan.pl](mailto:stolacy@twarda.pan.pl) (cc: [paleo@twarda.pan.pl](mailto:paleo@twarda.pan.pl)) with the subject „Paleoproteomics 2022”. In addition, the applicant is asked to arrange for at minimum one letter of recommendation to be sent to the same address.

Deadline: July 31st 2022, 23:59.

(2) Then shortlisted candidates will be invited to take part in the examination to the BioPlanet Doctoral School (more information at <https://szkoladoktorska-bioplanet.pl/en/home/>), which will determine the outcome of the recruitment.

Deadline: September 05th 2022.

The results of the recruitment will be announced by September 16th 2022.

Your application must include the following statement: "I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended."

Warszawa, 10.05.2022