PhD Scholarship in the SONATA BIS-13 Project “XAICancer: Explainable Artificial Intelligence for Cancer Imaging”.

The project is led by **dr hab. Neo Christopher Chung**.

The Faculty of Mathematics, Informatics and Mechanics (MIM), University of Warsaw, invites applications for one PhD student position within the NCN-funded SONATA BIS-13 project.

We offer:

1. A **PhD scholarship of PLN 5000 per month** for a period of **24 months** and **PLN 6500** for a period of **12 months** after the mid -term evaluation- the final amount of the scholarship will depend on the candidate's admission procedure
2. The opportunity to conduct research on current and emerging topics in **self-supervised learning** for medical imaging, as well as the development of novel **Explainable AI (XAI)** methods to improve our understanding and interpretation of Vision Transformers (ViTs).
3. Funding to travel, present and disseminate research results at **international conferences** and to publish research in high-quality international journals.
4. A **laptop** for research and day-to-day academic activities.

Please see the PI website for projects and publications: https://cbml.science/
A summary of the SONATA BIS project is available here: https://projekty.ncn.gov.pl/opisy/597530-pl.pdf

Requirements

1. At the time of commencing the scholarship, the candidate must be a doctoral student enrolled in a Doctoral School.
2. At the time of applying for the scholarship, Candidates who are not enrolled in the Doctoral School are eligible to apply. If such a candidate is awarded the scholarship, admission to the Doctoral School beyond the existing limit may be granted, at the discretion of the relevant authority, pursuant to § 20 section 2 point 3, in order to enable the candidate to meet this requirement.
3. Experience in one or more of the following areas:
    - programming (Python and/or other programming languages),
    - machine learning (ML) and artificial intelligence (AI)
    - data analysis and science,
    - statistical modelling,
    - mathematical analysis of algorithms.
4. Fluent command of English.
5. Promising record of research activities in ML/AI

The rules for awarding scholarships within projects funded by the National Science Centre (NCN) are specified in the regulations constituting an appendix to NCN Council Resolution No. 124/2022 of 1 December 2022.

Application deadline: 18.09.2026

How to apply: Applications should be submitted by e-mail to: **nchchung@gmail.com**

Required documents: CV, academic transcript and one-page cover letter, including description of previous research achievements and research interests. **Please do NOT use AI to write the cover letter.**

Recruitment method: The selection will be based on the submitted documents.

Expected start date: The scholarship will start in accordance with the Doctoral School calendar, but not earlier than 1 October 2026.

Personal data

Please include the following statement with your application:

“I hereby consent to the processing of my personal data for recruitment purposes in accordance with Article 6(1)(a) of Regulation (EU) 2016/679 of the European Parliament and of the Council 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 (General Data Protection Regulation).”