

Announcement: PhD student-scholarship holder

Name of the university: Nicolaus Copernicus University in Toruń

Offer: PhD student - scholarship holder

Requirements:

1. Title of veterinarian. Diploma DVM degree certificate
2. Willingness to start work in the field (experience in this field is welcome: the ability to perform a rectal examination, ultrasound examination and knowledge about reproduction and hormonal regulation of dairy cattle).
3. Knowledge of molecular biology techniques and willingness to develop in this field.
4. Participation in Polish and foreign scientific internships related to dairy cattle.
5. Possession of scientific publications and participation in international and national scientific conferences.
6. The ability to present knowledge in the form of lectures.
7. Knowledge of the English language at the B2 level.
8. Communicativeness and the ability to work in a team.
9. Experience in creating research projects.
10. Ability to independently plan and carry out research experiments.
11. Willingness and readiness to do a doctorate.
12. Necessity to register the candidate at the Copernicana Doctoral School at the Nicolaus Copernicus University in Toruń.
13. The necessity for the applicant to meet the requirements for the doctoral scholarship holder described in Annex 2 to the Regulations on awarding funds from the National Science Center https://ncn.gov.pl/sites/default/files/pliki/uchwaly-rady/2020/uchwala95_2020- zal1.pdf
14. Completing a mandatory internship abroad financed by NAWA. A doctoral student implementing the PRELUDIUM BIS 2 project will be required to apply for an internship to NAWA no later than 3 months before the planned start of the internship.
15. Obligation to obtain a doctoral degree within 12 months of the completion of the project.

ATTENTION. The competition may be entered by a person who does not have a doctoral degree and is not a doctoral school participant. The PRELUDIUM BIS 2 competition is addressed to people who plan to start education at a doctoral school in 2021/2022.

The scholarship will be awarded to the person selected in the competition who will have the status of a doctoral student at a doctoral school on the day of commencement of research tasks in the Project.

The scholarship holder will carry out research tasks as part of the project entitled „*Transcriptome and epigenome analysis for oocyte maturation and developmental competence of preimplantation embryos in Polish HF cattle*” whose leader is prof. dr hab. n. wet. Chandra S. Pareek.

Description of tasks:

1. Obtaining material for research - collecting bovine oocytes and embryos.
2. Culture and co-culture of oocytes and embryos. .
3. Examination of the quality and maturation of oocytes in vitro.
4. Microscopic examination - observation of oocytes and embryos.
5. Single-cell RNA sequencing (scRNA-seq) and epigenome sequencing (methyl-seq) of oocytes and embryos at early developmental stages in Polish-HF cattle.
6. Presentation of the results at international conferences
7. Preparation of scientific publications.

The conditions of employment:

Planned date of commencement of work in the project: 01/10/2021.

The doctoral scholarship is paid for 36 months (from 01/10/2021).

The young scientist selected in the competition will receive a scholarship and will complete a 3-month internship abroad, additionally financed by the National Agency for Academic Exchange (NAWA).

The amount of the scholarship is:

- 5,000.00 PLN per month until the month in which the mid-term evaluation of the doctoral student at the doctoral school will be carried out,

- 6,000 PLN a month after the month in which the mid-term evaluation of a doctoral student at the doctoral school will be carried out.

Pursuant to the *Prawo o szkolnictwie wyższym i nauce z dnia 20.07.2018 r.*, the scholarship will be reduced by contributions under the Act on Higher Education.

Additional information:

The competition application should contain:

- 1) CV taking into account the above-mentioned expectations.
- 2) Cover letter.
- 3) A copy / scan of the graduation diploma.
- 4) Information on scientific achievements and internships
- 5) References received from at least two people confirming completed internships or trainings.

Recruitment will be carried out according to the rules announced on the National Science Center website regarding the Preludium Bis 2.

Form of offer submission:

Applications should be delivered in person or sent to the following address: mgr Michalina Górka Administration Office of Academia Copernicana Interdisciplinary Doctoral School, ul. Lwowska 1, 87-100 Toruń, with the annotation "Scholarship in the PRELUDIUM BIS 2" or to the e-mail address: academia.copernicana@umk.pl, in the title of the e-mail, please enter "Scholarship in the PRELUDIUM BIS 2".

The deadline for submitting the applications is September 6th, 2021.