**2022 Call for PhD students in Nutrigenomics at IAR&FR PAS, Poland**

The Institute of Animal Reproduction and Food Research of Polish Academy of Sciences in Olsztyn, Poland is looking for three PhD students. The PhD students will be part of an interdisciplinary team of researchers led by Prof. Carsten Carlberg with the goal to investigate the effect of vitamin D and other nutritional compounds on changes of the epigenome and transcriptome of tissues and cell types of healthy and (pre)diseased individuals.

Professor Carlberg has expertise, projects and interests in gene regulation, epigenetics and vitamin D in the context of nutrigenomics, immunology and cancer.

The overall mission of the IARFR PAS is to conduct the world class research dedicated to understand and improve the natural environment’s impact on human’s quality of life and animal wellbeing. The Institute is committed to provide exceptional and innovative research aligned with regional and national needs. The institute has 23 research groups with a research staff of 144. Read more about IARFR PAS [www.pan.olsztyn.pl/?lang=en\_gb](http://www.pan.olsztyn.pl/?lang=en_gb).

**Position description**

PhD student positions are available in the laboratory headed by Professor Carsten Carlberg.

Two PhD student positions are open for “Bioinformaticians” (or large scale data analysts, programmers) the third one for “wet lab” specialist.

**Call (part) identifier**: H2020-WIDESPREAD-2018-2020-6 (*[Horizon 2020](https://ec.europa.eu/research/participants/data/ref/h2020/wp/2018-2020/main/h2020-wp1820-sewp_en.pdf)*)

**Project title**: “Welcoming ERA Chair holder to the Centre of excellence in nutrigenomics to optimize health and well-being”

**Location**: Poland, Olsztyn, Institute of Animal Reproduction and Food Research, Polish Academy of Sciences (IAR&FR PAS) <http://pan.olsztyn.pl/?lang=en_gb>

**Research Profile**: PhD student

**The PhD course length**: 48 months

**Starting date**: October 1’ 2022.

**Scholarship**: 1200 EUR

**Application deadline**: May 31’ 2022 (until 11:59 PM Central European Time zone)

**Qualification requirements**

In order to meet the general entry requirements, the applicant must have completed a second-cycle degree, completed courses equivalent to at least 240 higher education credits, of which 60 credits must be in the second cycle, or have otherwise acquired equivalent knowledge in EU or elsewhere.

The qualification requirements must be met by the deadline for application.

**Desired qualifications for “Bioinformatic” PhD student:**

* A master degree in:
* Bioinformatics
* Computer Science with some knowledge in bioscience
* Biosciences (Biology/ Biochemistry/ Biotechnology) with Bioinformatics/ Statistics and/or Computer Sciences
* Knowledge in molecular biology particularly: RNA-seq, ATAC-seq and/or ChIP-seq
* Experience with analysis of high-throughput ‘omics data

**Desired qualifications for “Wet lab” PhD student:**

* A master degree in:
* Biosciences (Biology/ Biochemistry/ Biotechnology) with some knowledge in computer science/ bioinformatics
* Experience in molecular biology
* Experience with analysis of high-throughput ‘omics data

**Additional skills:**

* High motivation to work in a multidisciplinary team
* Excellent communication skills for effective interaction with the multidisciplinary cohort of researchers
* Proactive, motivated, showing initiative
* Good work organization
* Fluency in English in writing and speaking;
* Good writing and presentation skills;

**Mandatory documents:**

* Cover letter describing how they fit the position and their scientific interests and philosophy
* CV – degrees and other completed courses, work experience and a list of degree projects/theses
* Degree certificates and grades confirming that you meet the general and specific entry requirements
* 3 letters of recommendation with contact information to referees

**To apply:**

* Application documents should be sent to e-mail address: [erachair\_recruitment@pan.olsztyn.pl](mailto:erachair_recruitment@pan.olsztyn.pl)
* Application deadline: *May 31th 2022* (11:59 PM CET).
* Kindly note that only online applications will be accepted.
  + Applicants will receive timely communication from the recruitment office to inform them on their status in the recruitment process.

**About Olsztyn**

IARFR PAS is located in Olsztyn - the capital and the largest city of the Warmia and Mazury province in the North-Eastern Poland, with population of approx.175 000 people. Olsztyn’s greatest allure lies in its unique location as it is surrounded by forests and lakes. Olsztyn is a recognized academic centre of the region. City is located 90 min drive from Gdańsk and 150 min drive from Warsaw.

To learn more about Olsztyn and Warmia and Mazury district, please visit:

* https://www.youtube.com/watch?v=FhbDLHAFrBs
* https://www.youtube.com/watch?v=XJDHK0NIvL0
* https://www.youtube.com/watch?v=g9gHF7VEQ7E
* https://www.youtube.com/watch?v=hnLgA6fL8zw

**Final remarks**

Accepted PhD students will be enrolled to IARFR PAS Doctoral School - [Regulation of the Interdisciplinary Doctoral School of Agricultural Sciences (pan.olsztyn.pl)](https://pan.olsztyn.pl/wp-content/uploads/2020/08/Regulation-of-the-Interdisciplinary-Doctoral-School-of-Agricultural-Sciences.pdf).

Institute of Animal Reproduction and Food Research of Polish Academy of Sciences in Olszyn strives to be a workplace free from discrimination and with equal opportunities for all.

You are welcome to apply!