**Doctoral student in Human Biology**

A fully funded position (4 years) as PhD candidate in human biology (PhD in Biology). Applicants should have a relevant MSc degree (biology, human biology, demography). Applicants should have strong interests in topics concerning Family Life Course, Population/ Family Dynamics, Social Mobility.

**The position is linked to the project funded by the National Centre of Science**

Cholera epidemic in 1866 as a turning point in the history of Poznań
(National Centre of Science, OPUS 2021/41/B/HS3/00594)

The workplace is in the Institute of Human Biology and Evolution, Faculty of Biology, Adam Mickiewicz University in Poznań

**Brief information about the University you will find at the AMU webpage:**

<http://international.amu.edu.pl/about_amu/history/>

**Applicant’s general competence:**

* ability to work with databases and data management
* knowledge of demography methods
* good statistical knowledge would be vital asset
* skills in quantitative analysis (ability in statistical programming, including R software is welcomed)
* relevant educational background statistics and human biology, additionally demography.
* strong interests in topics concerning Family Life Course, Population/ Family Dynamics, Social Mobility
* ability and high self-motivation capability to perform scientific work
* a good level of English is required in both written and oral communication.

PhD student will conduct an innovative work on the short and long-term biological and demographic effects of the cholera epidemic, manifested in changes in fertility and family patterns. A PhD candidate will work with databases on historical populations, reconstruct individual histories of families, process database for the purpose of the project, conduct analysis, model biological. A PhD student will prepare and write a PhD dissertation.

**Short project description**

The cholera epidemic, which lasted from 18 June to 22 October 1866, was the most severe outbreak of this infectious disease in 19th-century Poznan. It caused massive and rapid changes in population numbers within a short period of time. In the case of an infectious disease such as cholera, the incubation period and its course is very short, symptoms of the disease are easy to recognize, with no specific symptoms, the disease gives no complications, and immunity after the illness is short-lived. Hence, cholera epidemic gives "clean" demographic and health effects and can be used as a "model epidemic" to analyse these effects at a population level.

The aim of the project is to examine the short and long-term social, health and economic effects of the epidemic, as well as its influence on demographics, as regards the reproductive attitudes in a Poznań family. This goal will be achieved by using the cholera epidemic in Poznań in 1866 as a natural spontaneous experiment but modified to some extent by the city authorities and its residents. The project assumes that the cholera epidemic in 1866 was not only a demographic and economic phenomenon with measurable effects, but also a multifaceted medical and cultural phenomenon. In the project, the cholera epidemic will be studied using the methods from historical demography and epidemiology, and the methods from history of medicine.

The project will identify various conditions of the cholera epidemic in 1866 (political, social, and biological).

The post-epidemic fate of widowed persons, single mothers and "epidemic" orphans will be studied. Noteworthy are the changes in the social and professional composition of Poznań population due to the potential surplus of deaths of people from the so-called "risk groups" (garrison soldiers, doctors, merchants, salesmen, priests, house maids, etc.). An important aspect will be to study functioning of the population in the post-epidemic phase concerning age groups, religion, occupation, and sex, etc. The research will also focus on the local economy in 1866 and in the subsequent years: unemployment rate, changes in the standards of living, the labour deficit and decline in industrial and agricultural production. An important issue will be the analysis of the short and long-term demographic effects of the cholera epidemic, manifested in changes in marriage patterns, fertility, mortality and population growth rates over time, and their interactions. For example, high mortality level of people at reproductive age in the epidemic phase could affect reproduction level of Poznań residents in the post-epidemic phase, and parent’s death during the epidemic phase could influence the decision on starting a family by the offspring. The socio-economic status of inhabitants (religious denomination, profession) and the impact of promoters the idea of organic work on the effects of the epidemic will be taken into account.

Various historical sources will be used in the project: parish registers, Prussian statistics, narrative sources (letters, diaries), consistories, collections of legal acts, etc.

The main expected result of the project is to present a multi-faceted (social, economic, demographic, biological) response of populations to epidemics in a broad cultural and social context. The results provide an important insight into 19th-century epidemiology and allow better understanding the great transformations taking place in societies at that time. The project will contribute to better understanding the microevolutionary processes in human history, because epidemics of infectious diseases, through mass and rapid changes in population size, can change the genetic structure of the human species. The next project result will be a database for Poznań created according to international standards. This first database for urban population in Poland in the 19th century will be placed in the European Historical Population Samples Network and its high standards will be successfully applied to comparative studies of epidemiological transition in populations from the Prussian sector to populations from other regions of Europe, conducted by a wide circle of interdisciplinary scholars and researchers. The project will fill the knowledge gap in epidemiological changes in historical populations.

**Salary conditions:**

Ph.D. scholarship: 5,000 PLN (the gross gross amount) /month for 48 months

Workplace: Institute of Human Biology and Evolution, Faculty of Biology, Faculty of Biology, Uniwersytetu Poznanskiego 6, 61-614 Poznan.

Date of beginning of the doctoral course: 01.10.2022.

Maximum scholarship duration: 4 years.

**Additional information**

The candidate is obliged to obtain the doctoral degree within 12 months from the completion of the project, i.e., by September 30, 2027.

**The application should contain:**

* Personal letter in which the applicant gives a short description of him/herself and his/her research interests and its relevance for the project.
* Curriculum vitae.
* Copy of the Master diploma
* Short description of Master thesis project.
* Other documents that the applicant wishes to submit
* Good abilities in statistical programming
* Recommendation letter from one/ two teachers or researchers

**Applicants are required to send documents to the following e-mail addresses:** grazyna@amu.edu.pl. **Deadline is June 15, 2022, 5 pm.**

The selected person may be admitted to the project only after successfully passing the recruitment process to the Doctoral School of Natural Sciences, AMU, during the September 2022 procedure.

<https://amu.edu.pl/en/admissions/doctoral-schools>

**Information clause for jobseekers**

Pursuant to Article 13 of Regulation (EU) No. 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC - General Regulation on data protection (Official Journal of the European Union L 119/1 of 04.05.2016) I hereby inform you that.

1. The Controller of your personal data is Adam Mickiewicz University in Poznań with its registered office at 1, Henryka Wieniawskiego Street, 61-712 Poznań.

2. The controller of personal data has appointed a Data Protection Inspector to supervise the correctness of personal data processing, who can be contacted via e-mail address: iod@amu.edu.pl.

3. The purpose of the processing of your personal data is to carry out the recruitment process for the indicated position.

4. The legal basis for the processing of your personal data is Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 and the Labour Code of 26 June 1974 (Journal of Laws of 1998, N21, item 94, as amended).

5. Your personal data will be stored for a period of 6 months from the end of the recruitment process.

6. Your personal data will not be made available to other entities, except for entities authorized by law. Access to your data will be granted to persons authorized by the Controller to process them within the scope of their professional duties.

7. You have the right to access your data and, subject to the provisions of law, the right to rectify, delete, restrict the processing, the right to transfer data, the right to object to the processing, the right to withdraw consent at any time.

8. You have the right to lodge a complaint to the supervisory authority - the President of the Office for Personal Data Protection, ul. Stawki 2, 00-193 Warszawa.

9. Provision of personal data is obligatory on the basis of legal regulations, in the remaining scope it is voluntary.

10. With regard to your personal data, decisions will not be taken automatically, in accordance with Article 22 RODO.

**Consent clause**

In accordance with Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 (Journal of Laws of the EU L 119/1 of 4 May 2016) I agree to the processing of personal data other than those indicated in Article 221 of the Labour Code (name(s) and surname; parents' names; date of birth; place of residence; address for correspondence; education; previous employment), included in my job offer for the purpose of current recruitment.

*The applicant should be informed in the job application notice that his/her CV should include a clause with the required content, in which case it will be considered.*

**Feel free to circulate this opportunity in your scientific milieu,
or feel free to apply yourself.**