

PhD student stipend available - NeuroSmog: Determining the impact of air pollution on the developing brain – Epidemiology team

A stipend for a **PhD student** is available in the team of dr Iana Markievich, in the department of Psychology at the Jagiellonian University. Successful candidate will have the opportunity to work in **the newly established NeuroSmog project** which combines four scientific teams in the fields of air pollution assessment, child psychology, neuroimaging and epidemiology with the common goal of determining the impact of ambient air pollution on the developing brain and behavioural disorders in children. Approximately 800 school-aged children will be recruited, including ADHD cases and controls from the general population. The recruited children will undergo in-depth psychological testing and MRI scanning.

What we offer: You will have an opportunity to work in an exciting and interdisciplinary project and will learn from the inside how such projects are built and run. You will develop your skills in data collection and managing, statistical and geographical analyses and programming. You will work under the supervision of experienced scientists and will be part of a team of students and graduates. You will have an opportunity to contribute to an important scientific project on the effects of ambient air pollution on the developing brain in children.

The responsibilities of a chosen candidate will include: Help with running and monitoring field work and cleaning and checking collected/prepared behavioural, MRI and geographic data in cooperation with Psychological, Neuroimaging and Air Pollution teams; Planning and carrying out data analyses under a supervision of Prof. Ryszard Laskowski and Dr. Iana Markevych and Epidemiology team postdocs; Preparing peer-reviewed scientific publications under a supervision of Prof. Ryszard Laskowski and Dr. Iana Markevych and Epidemiology team postdocs; Presenting analysis results at the project meetings, national and international conferences. **The work must lead to a PhD thesis (multidisciplinary, on the intersection of biology and psychology, degree in biology).**

Requirements for candidates: A student finishing the last year of Master studies or graduate / MSc / MA in the field of biology, epidemiology, public health, social science, statistics, psychology, cognitive science, geography, medicine, computer science, mathematics, or related fields; Understanding of statistical methods and experience with at least one statistical software package (preferably R, but possibly Stata, SPSS or SAS); Knowledge of scientific English, best confirmed by original scientific texts in English and/or foreign stays; **Very good command in Polish that will allow to help with running and monitoring field work**; Structured and thorough working style, attention to detail; Structured and thorough working style, attention to detail; Experience with GIS software (QGIS or ArcGIS) is a bonus.

The position guarantees a salary of approx. 3,250 PLN net during the 4 years of doctorate. The winner of the competition is required to submit an application under the regular competition procedure to the doctoral school (Szkoła Doktorska Nauk Społecznych UJ, CogNes interdisciplinary programme). If he/she is successful, his/her salary will be raised to approx. 2,100 + 3,800 PLN net for the first two years of study; then approx. 3,250 + 3,800 PLN net until 31.12.2023, and then approx. 3,250 PLN net until the end of studies.

To apply, please send your **CV written in English up to 3 pages long**, including a list of publications, research experience and your scientific interests along with an **e-mail contact to your science or professional mentor** (for possible reference) to **Dr. Iana Markevych** at iana.markevych@uj.edu.pl

The application deadline is 08.07.2020. Position starts on the 1st of October 2020.