Stellenausschreibung für die Stellenbörse der DGEpi/
Job offer for the job portal of the DGEpi

Position	**PhD position on 'The role of the urban exposome on cardiometabolic multimorbidity and mortality' in Munich, Germany**
Arbeitgeber/ Employer	**Institute of Molecular Biology Mainz**
Arbeitsort/ Location	**Helmholtz Centre Munich**
Gehalt bzw. Gehaltsstufe/ Salary scale	**TVL E13 65%**
Arbeitszeit/ Hours	**Full time**
Vertragsdauer/ Contract type	**3 years**
Bewerbungsfrist/ Application deadline	**31 August 2024**
Kontaktperson/ Contact person	coage-recruiting@imb.de

Weitere Bewerbungs-informationen/ Information for applicants	A growing number of studies have shown an association between air pollution and all-cause mortality and cardiovascular mortality, but there is a gap in research on other environmental exposures and their outcomes. It is also un-clear whether people with cardiometabolic disease are more vulnerable to the adverse effects of environmental factors. Therefore, we aim to investigate the association between several long-term environmental exposures and mortality and cardiometabolic multimorbidity. The NAKO has recruited more than 200,000 individuals between 2014 and 2019 in both sexes aged between 19 to 74 years. NAKO has assembled morbidity and mortality follow-up data until 2023. We will use geocoded data of multiple long-term environmental exposures of the urban exposome, e.g. air pollution, traffic noise, ambient air temperature, greenness and built environment indicators, which were assessed in the EU-funded EXPANSE project (Exposome Powered tools for healthy living in urbAN Settings). These novel urban risk and protection factors will be linked to NAKO participants' residencies by the Environmental data unit. The outcomes of interest are all-cause and cause-specific mortality and prevalent and incident cardiometabolic disease. As part of the PhD work, we will apply single-exposure models to quantify effects of each exposure on the outcomes of interest. The secondary aim of this project is to assess the effect modification of pre-existing cardiometabolic disease on the environmental exposure – mortality association and whether environmental exposures promote multi-morbidity. This NAKO-based study will contribute substantial evidence on the association of environmental exposures with mortality and cardiometabolic multimorbidity due to its high exposure contrasts and longitudinal health data. Moreover, it allows the assessment of the potential modifying role of prevalent cardiometabolic disease on these associations. We will extend the study with a similar set of analyses to other German Cohorts like the Gutenberg Health study. Supervision: Annette Peters (Helmholtz Centre Munich); The NAKO Study
Datum der Anzeige/ Date posted	**01.08.2024**
Link zur Stellenaus-schreibung/ Link to job posting	**CHA Mainz**