

Job ID: VID119PD220

The Vienna Institute of Demography (VID) of the Austrian Academy of Sciences (OeAW), Austria's leading non-university research and science institution, analyses the demographic development in all its dimensions in Austria, Europe and the world and deals with its effects on society, economy and environment. The VID is offering a

POSTDOC POSITION (F*M)

(full-time / 40h per week)

The VID is looking for a postdoc to join the Research Group *Economic Demography* in the project *Economic Consequences of Population Decline-ECOPOD*.

The aim of the project is to analyse the effects of population decline, as it is experienced in many high income countries and predicted for many middle and low income countries, on macroeconomic outcomes such as economic growth, human capital formation, and employment as well as on welfare.

Our goals are to

- Analyse the differential growth and welfare impacts of depopulation within heterogeneous population groups (e.g., along the dimensions of high-skilled versus low-skilled, young versus old, allowing for gender-specific differences, etc.).
- Calibrate economic models to specific countries and analyse the extent to which they will suffer or benefit from population decline.
- Empirically test the main mechanisms and predictions of economic models of depopulation based on modern econometric techniques for causal inference.
- Infer the differential effects of population decline across different population groups.

Your tasks:

- Conducting independent and collaborative research on the economic consequences of population decline with the aim of publishing this research in top journals of economics and/or demography.
- Participating as speaker and discussant in international conferences, seminars, and project meetings on the research area.

Your profile:

- PhD in economics or a closely related field such as mathematics or statistics with a focus on economic applications.
- Ability of conducting successful independent and collaborative research in areas related to economic growth and demographic change as evidenced by publications, previous project work and/or positions.
- Knowledge: Advanced econometric techniques, such as panel data econometrics (GMM-based methods), causal inference in macroeconomics (estimating structural economic models, instrumental variable estimation, Regression discontinuity designs), time series econometrics (VARs, VECs, PVARs), or spatial econometrics. Some knowledge of economic growth theory and macroeconomic modelling, as well as simulation software (e.g. Matlab, Mathematica, Julia, R, Python) is welcome. Please detail in your application to what extent you are familiar with the various techniques.

We offer:

- Interesting field of activity in a stimulating environment
- Central downtown location
- Possibility to work independently

Earliest start of the employment is January 1, 2021.

In accordance with the collective agreement of the Austrian Academy of Sciences (OeAW) the annual gross salary for this position is € 49.007,70 (before taxes) plus advance appropriate to experience and qualification.

Please send your application including a CV, a letter of motivation, a list of publications or a link to an online list of publications, degree certificates and a list of three referees with addresses for contacting them via e-mail to barbara.simunics@oeaw.ac.at (mentioning Job ID: VID119PD220) **no later than November 30, 2020**. Job interviews will take place either physically or via video call.

For substantive questions, please contact Dr Michael Kuhn (Research Group Leader Economic Demography) michael.kuhn@oeaw.ac.at.

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. The OeAW lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.