Research position in medical statistics on causal inference methods in randomized controlled trials
Medical University of Vienna, Vienna, Austria

The [Institute of Medical Statistics](#) at the [Medical University of Vienna](#) (MedUni Vienna) invites applications for a funded research position (1 year, up to 40 hours per week) in Medical Statistics. We seek a researcher with a strong background in statistics, mathematics or related fields who would like to gain further research experience as part of an innovative research group in medical statistics. The intended starting date for the position is September 2025.

Information about the research project

The goal of the project is to assess the application of causal inference methods (inverse probability weighting, g-estimation, standardization, instrumental variable approaches) to account for post-randomization events (e.g. treatment discontinuation, rescue medication) in randomized clinical trials.

Project tasks include the review of scientific literature, deriving simulation scenarios and data generating models that resembling actual clinical trials, and the design and conduct of extensive simulation studies using the statistical computing environment R.

The project is led by Robin Ristl. Collaborators include Martin Posch and Franz König, as well as partners in the project consortium from the Austrian Agency of Health and Food Safety, Uppsala University and University Medical Center Göttingen.

Information on the department

The researcher will be integrated in the [Institute of Medical Statistics](#). The institute is part of the [Center for Medical Data Science](#) at the [Medical University of Vienna](#). The institute has a long-standing research tradition with an outstanding track record in methodological, biostatistical research including areas as adaptive designs, multiple testing, platform trials and data science.

Qualifications required for the research positions

- PhD or master's degree in statistics, mathematics or a related field
- Experience with causal inference methods
- Interest to develop innovative statistical methods.
- Programming skills in the statistical software such as R.
- Oral and written communication skills in English (knowledge of German is not required).

Application procedure

Applications should be sent per e-mail to medstat@meduniwien.ac.at until 24th August 2025 or until the position is filled, including (all documents as PDF):

- CV
- Personal letter: 1–3 pages where you introduce yourself, present your qualifications, previous research fields, main research results, future research plans and the motivation for your application.
- Copies of PhD or master thesis.
- Copies of completed education, grades and other certificates.
- Two references that we can contact.

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Information on salary

- The salary will be in line with the guideline of the Austrian Science Fund and will depend on the formal qualification (PhD/master); the monthly minimum salary at 40h/week for this position is currently € 3714 (master) / € 4932 (PhD) gross (14 times a year). The MedUni Vienna is an equal opportunity employer.

For informal inquiries please contact
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