

Dr. med. Nils Krüger
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The **TUM University Hospital German Heart Center** stands for clinical excellence and cutting-edge translational research. In collaboration with the Brigham and Women's Hospital and Harvard Medical School, the research group around Dr. med. Nils Krüger investigates the effects of modern therapeutics in clinical practice and the role of real-world evidence in cardiovascular-kidney-metabolic medicine.

Our group publishes high-impact research in leading journals such as *JAMA*, *Nature Medicine*, and *Circulation*. Our findings inform international treatment guidelines (e.g., by the *World Health Organization*) and attract widespread media attention, including features in *The New York Times*, *The Guardian*, and *Süddeutsche Zeitung*. We are seeking a

Medical Doctorate Student (m/f/d)

Your Responsibilities

In your role as Medical Doctorate Student, you will explore how to personalize treatments for patients with cardiovascular and -metabolic diseases, including heart failure, type 2 diabetes, and atherosclerotic disease. Your research will center on novel treatments, including GLP-1-based medicines and other transformative cardiovascular medicines. You will:

- Investigate the effectiveness and safety of novel cardio-kidney-metabolic treatments in routine care settings.
- Collaborate with leading scientists from both Harvard and TUM to apply advanced causal inference methods to complex longitudinal healthcare databases including over 75 million lives.
- Leverage your clinical expertise to ensure findings are directly relevant to patient care and clinical practice.
- Present research findings at international conferences and publish in high-impact journals.

Your Profile

You are a medical student in clinical training with a strong interest in cardiology, nephrology, endocrinology, and/or internal medicine and you are passionate about using research to improve patient care. You are:

- Eager to learn new methods, especially in causal inference and data science as well as eager to learn the fundamental principles of epidemiologic research.
- Familiar with R, Python, or SQL (basic coding experience is required, further training and supervision will be provided).
- Excited to thrive in an international team with enthusiasm for working in an interdisciplinary environment (we can only consider students spending at least 1 year full time research with us).

What We Offer

As part of our team, you will receive comprehensive support from leading experts to develop your scientific and personal skills. You will **contribute to impactful research that supports clinical decision-making** on the effectiveness and safety of cardiovascular therapies. The position also offers the opportunity for close collaboration with researchers from Harvard Medical School, engagement in international scientific projects, as well as the **opportunity to conduct part of your doctorate abroad at Harvard Medical School**. In addition, we encourage and **support applications for scholarships**, such as those offered by the DZHK and the German Heart Foundation. We offer flexible working hours, hands-on responsibility from the first day, and a team that believes in working closely together, **supporting one another, and celebrating shared successes**.

The TUM University Hospital German Heart Center is committed to equal employment opportunity and actively promotes equal opportunities for all employees. We welcome applications from individuals regardless of gender, cultural or social background, age, religion, worldview, disability, or sexual identity. In cases of equal qualification, applicants with disabilities will be given preferential consideration, taking individual circumstances into account.

Contacts

- Dr. med. Nils Krüger, group lead, nkruger1@bwh.harvard.edu
- Victoria Rentrop, Master of Public Health candidate, avr2140@cumc.columbia.edu

The start of this position is planned for February 16th, 2026. Structured online interviews are planned in January. Please send your complete application, including CV and all available transcripts, by email to Nils Krüger and Victoria Rentrop.