

At the University of Göttingen - Public Law Foundation – we offer a position in the research group of Prof. Dr. Christian Hirsch, Department of Mathematics and Computer Science, Institute for Mathematical Stochastics, starting January 1, 2027 or later as

Postdoc position (all genders welcome)
- 100% of pay grade 13 TV-L -

The vacancy is limited for 2 years.

About us: We develop probabilistic methods for understanding complex random structures, with particular emphasis on spatial networks, rare events, and time-varying topology.

The position: Postdoc in Probability and Stochastic Geometry. You will conduct research on asymptotic properties of large random systems, with substantial freedom to develop your own projects within the research group.

Particular emphasis will be placed on random systems whose geometry and topology evolve over time, with the aim of understanding both their typical asymptotic behavior and rare transitions. Research topics include spatial random networks, stochastic geometry, large deviation theory, and the probabilistic foundations of topological data analysis, with a current focus on time-varying topologies.

Depending on your interests, projects may concern limit theorems for geometric and network statistics, large deviation principles and rare events, or probabilistic methods for persistent and dynamic topological summaries. The position offers substantial flexibility in shaping the research agenda and developing collaborations within Göttingen and internationally. Connections to statistical mechanics, data analysis, and applications in the natural sciences are welcome.

The position includes a teaching commitment of 4 SWS per week during the lecture period.

Your profile: As a successful candidate, you

- hold a PhD in mathematics, statistics, or a closely related field,
- have a strong background in probability theory, preferably with interests in stochastic geometry, random graphs, large deviations, topological data analysis, or related areas,
- have demonstrated potential for independent mathematical research,
- are proficient in written and spoken English.

The University of Göttingen is an equal opportunities employer and places particular emphasis on fostering career opportunities for women. Women are therefore strongly encouraged to apply in fields in which they are underrepresented. The university has committed itself to being a family-friendly institution and supports their employees in balancing work and family life. The University is particularly committed to the professional participation of severely disabled employees and therefore welcomes applications from severely disabled people. In the case of equal qualifications, applications from people with severe disabilities will be given preference. A disability or equal status is encouraged to be included in the application in order to protect the interests of the applicant.

Please submit your application with all important documents (CV, list of publications, copies of degree certificates, letter of motivation, and contact details for one referee) in **one PDF document** by 12th of Oktober 2026 exclusively via E-Mail: stochastik@uni-goettingen.de. Further information will be provided by Prof. Dr. Christian Hirsch via the same address.

Please note: With submission of your application, you accept the processing of your applicant data in terms of data protection law. Further information on the legal basis and data usage is provided in the Hinweisblatt zur Datenschutzgrundverordnung (DSGVO) [Information General Data Protection Regulation \(GDPR\)](#)