



UNIVERSITY
OF COLOGNE

Faculty of Mathematics and Natural Sciences

Doctoral Position (f/m/x) – Emerging Groups: Point Configurations and Quantizations

Department of Mathematics and Computer Science | Division of Mathematics

We are one of the largest and oldest universities in Europe and one of the most important employers in our region. Our broad range of subjects, the dynamic development of our main research areas and our central location in Cologne make us attractive for students and researchers from around the world. We offer a wide range of career opportunities in science, technology, and administration.

We are seeking an outstanding candidate (f/m/x) for a doctoral position under the grant "[Emerging Groups: Point Configurations and Quantizations](#)".

YOUR TASKS

- » Conducting research on topics relating to the project "Christoffel functions and geometric inferences" under the supervision of Professor Vu, Professor Marinescu, and Professor Vallentin
- » Participating in seminars, conferences and activities of the research groups led by the PIs in this project, along with other events in connection with it. "Emerging Groups: Point Configurations and Quantizations"
- » Assisting with the organization events relating to the project "Emerging Groups: Point Configurations and Quantizations"

YOUR PROFILE

- » You hold or are about to complete a Master's degree in Mathematics
- » You have a strong background in one or several of the following fields: complex geometry, global analysis, approximation theory, orthogonal polynomials, mathematical optimization

WE OFFER

- » A diverse working environment with equal opportunities
- » Support in balancing work and family life
- » Extensive advanced training opportunities
- » Occupational health management offers
- » Flexible working time models

The University of Cologne promotes equal opportunities and diversity. Women will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from all suitable candidates regardless of their gender, nationality, ethnic and social origin, religion, disability, age, sexual orientation and identity.

The position is available as soon as possible on a part-time basis (25,89 hours per week). The position is to be filled for a fixed term until 31 October 2029. If the applicant meets the relevant wage requirements and personal qualifications, the salary is based on remuneration group 13 TV-L of the pay scale for the German public sector.

Please apply online with proof of the required qualifications without a photo under: <https://jobportal.uni-koeln.de>. The reference number is Wiss2610-01. The application deadline is 4 November 2026.

For further inquiries, please contact Professor Dr Duc Viet Vu (dvu@uni-koeln.de) and take a look at our [FAQs](#).



HR EXCELLENCE IN RESEARCH