The University of Cologne is one of the largest and most research-intensive universities in Germany, offering a wide range of subjects. With its six faculties and its interfaculty centres, it offers a broad spectrum of scientific disciplines and internationally outstanding profile areas, supported by the administration with its services.

Prof. Gregor Gassner (www.mi.uni-koeln.de/NumSim/) invites applications for a postdoc position in scientific computing.

**YOUR TASKS**

- Research and teaching in an international team
- Construction, development and analysis of numerical methods
- Extension and development of the open source simulation code Trixi.jl (Julia Language)
- Participation at international workshops/conferences
- Possible application areas are, e.g., fluid dynamics, plasma dynamics, weather/climate modeling, space physics, astrophysics, multi-physics coupling, Euler/Navier-Stokes equations, shallow water equations, magnetohydrodynamics, turbulence, shock waves, ... 
- Possible topics are, e.g., high-order methods, Discontinuous Galerkin methods, Scientific Machine Learning, efficient time integration, entropy stability and positivity, high performance computing, ...

**WE OFFER YOU**

- a diverse and fair working environment
- support in reconciling work and family life
- flexible working time models, full-time positions suitable for job sharing
- extensive advanced training opportunities
- occupational health management offers
- local transport ticket at a discount for UoC employees
- opportunity for remote work

The position is available from the 1st of April 2022 on a full-time basis with 39.8 working hours per week. The position is to be filled for a fixed term until 31st of March 2024, with options for extension of the contract afterwards. If the necessary prerequisites required by tariff regulations as well as the sought-after personal qualifications are met, the salary will correspond to the pay grade 13 as specified in the States’ Tariff Agreement (TVL).

The University of Cologne is committed to equal opportunities and diversity. Women are especially encouraged to apply and will be considered preferentially in accordance with the Equal Opportunities Act of North Rhine-Westphalia (Landesgleichstellungsgesetz – LGG NRW). We also expressly welcome applications from people with disabilities / special needs or of equal status.

Please send your application with proof of the sought-after qualifications by email with the reference number Wiss2201-21 to ggassner@uni-koeln.de, smusiela@math.uni-koeln.de

The application deadline is 28.02.2022.

If you have any questions, please contact ggassner@uni-koeln.de.