

We are jointly offering a full time

Postdoc Position in Mathematics for 3 years

(salary group E13 TV-L)

at the interface between Geometric Analysis and Mathematical Relativity, **starting as soon as possible**. The appointment is limited to 3 years and will be held at the University of Tübingen in the Geometric Analysis, Differential Geometry, and Mathematical Relativity group jointly led by Carla Cederbaum and Gerhard Huisken. The position comes with a budget for funding research related travel by the successful applicant as well as for inviting collaborators.

The successful applicant is expected to research topics loosely related to asymptotic foliations in relativistic initial data sets, as introduced in *Carla Cederbaum, Anna Sakovich: On center of mass and foliations by constant spacetime mean curvature surfaces for isolated systems in General Relativity*. *Calculus of Variations and Partial Differential Equations* 60, no. 214 (2021). Furthermore, the successful applicant is expected to participate in continuous scientific exchange with the other members of the research group.

We run a weekly hybrid research seminar and regularly host and/or participate in the organization of research conferences. The successful applicant is expected to actively participate in and help with the organization of such events.

Applicants are required to have a PhD in Mathematics. Candidates should have advanced knowledge in the field of Geometric Analysis. Prior experience in General Relativity is helpful but not necessary, while willingness to learn concepts and techniques from Mathematical Relativity is essential.

The position comes without teaching obligations. However, if the successful candidate wishes to teach, this is welcome (and can be done in English).

The University of Tübingen is particularly interested in increasing the number of women in research and teaching and therefore encourages women candidates to apply. In the case of equally qualified candidates, applicants with disabilities will be given preference. The employment is carried out by the Central University Administration.

Please send your application with the usual documents (curriculum vitae, list of publications, research statement, names of two potential referees) by email to

Prof. Dr. Carla Cederbaum
cederbaum@math.uni-tuebingen.de

We will start reviewing applications on **October 15, 2023** until the position will be filled.

We look forward to receiving your application. Please feel free to contact us via the above email address in case you have any questions about the research pursued in our group, the position, and/or the selection process.

Carla Cederbaum and Gerhard Huisken, University of Tübingen