

Job ID: RICAM099PD224

The Johann Radon Institute for Computational and Applied Mathematics ([RICAM](#)) of the Austrian Academy of Sciences ([OeAW](#)), Austria's leading non-university research and science institution in Applied Mathematics, is offering a

**POSTDOC POSITION (F/M/X)**  
*in the Mathematical Methods in Medicine and Life Sciences Group*  
(full-time, 40h per week)

The position is offered initially for 1 year with the possibility of an extension for another year.

The position is funded by the FFG Bridge project “*Advanced Modelling of Pulse Field Ablation to Augment Cardiac Digital Twins for the Treatment of Atrial Fibrillation*” led by Dr. Argyrios Petras, in collaboration with the industrial partner NumeriCor GmbH.

**Your tasks:**

The postdoc will join the Mathematical Methods in Medicine and Life Sciences Group at RICAM, located in Linz/Austria, and will work on the development of mathematical models for cardiac pulse field ablation and their validation with tailored experimental data. The successful candidate is expected to perform numerical simulations using the finite element method on geometries reconstructed from medical imaging data.

**Your profile:**

- PhD in Biomedical Engineering, Applied Mathematics, Physics or closely related field
- Experience in mathematical models for medical applications (desirable experience in cardiac electrophysiology models)
- Experience in segmentation of medical images
- Experience with Python and/or C++ programming languages
- Familiarity or experience with OpenCARP software (desirable)

**Our offer:**

- Excellent opportunities to work in a lively research environment and collaborate with international experts in the field
- An annual gross salary of € 66.501,40, according to the collective agreement of the Austrian Academy of Sciences

We invite you to send your application with a scientific CV, a research statement, and references for possible recommendation letters via email to [argyrios.petras@ricam.oeaw.ac.at](mailto:argyrios.petras@ricam.oeaw.ac.at) (mentioning Job ID: RICAM099PD224). The position will be open until adequately filled.

*The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. Individuals from underrepresented groups are particularly encouraged to apply.*