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

**PhD Student Position (F*M)**

*in the Mathematical Methods in Medicine and Life Sciences Group*

(part-time, 30hrs per week)

for a duration of 3 years, starting on June 01, 2022.

The position is funded by BMBWF and FWF Alternative Methods to Animal Experimentation call, as part of the project “Digital twin for presurgical assessment of cardiac ablation” led by Dr. Argyrios Petras.

The PhD student will become a part of the Mathematical Methods in Medicine and Life Sciences Group at RICAM, located in Linz/Austria, will collaborate with medical doctors and work with medical imaging data for the mathematical modelling of radiofrequency catheter ablation procedure.

**Your profile:**

- Completed Master study in Engineering, Applied Mathematics, Physics or similar field.
- Strong background in Finite Element Method.
- Familiarity or experience with Python and/or C++ programming languages.
- A keen interest in medical applications.
- Excellent knowledge of English language.

**Our offer:**

- The opportunity to work in an international and lively research environment, and collaborate with experts in the field and with national and international medical doctors.
- The opportunity to work with real patient medical imaging data and support the cause of promoting computer simulations to reduce animal experimentation.
- An annual gross salary of € 31,326.40 according to the salary scheme of the Austrian Science Fund (FWF).

We invite you to send your application with a scientific CV, a short research statement, and references for possible recommendation letters via email to argyrios.petas@ricam.oeaw.ac.at, (mentioning Job ID: RICAM006DOC222) no later than March 31, 2022.

*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.*