

Job ID: RICAM046PD220

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, is offering a

POST DOC POSITION (F*M)

(full-time / 40h per week)

in **modeling and simulation in biosciences**. The position is offered initially for 1 year with the possibility of an extension up to 6 years and will be vacant starting from September 2020.

The full-time position is offered in the newly created **Group in Mathematical Methods in Medicine and Life Sciences** led by Prof. Dr. Luca Gerardo-Giorda at RICAM, located in Linz/Austria.

The selected candidate is expected to work on the modeling and simulation aspects of problems originating from biomedical research. The candidate activity will encompass mathematical description of the problem at hand, that will originate from the interaction with collaborators from other disciplines (Medicine and/or Biology and Life Science), set up of the computational framework to simulate the behavior of the emerging mathematical system, and take care of the coding aspect needed to run simulations on High Performance Computing (HPC) environment. The hired person is expected to work with systems of Partial Differential equations and Uncertainty Quantification techniques.

Your profile:

- PhD in a quantitative discipline (with a preference in Applied Mathematics or Biomedical Engineering)
- Strong background in computational/applied mathematics
- Experience in HPC (desirable)
- Proficiency with C++ and Python programming
- Experience in interdisciplinary research (desirable)
- Strong proficiency in English

Our offer:

- Excellent opportunities to work in a lively research environment and collaborate with international experts in the fields related to the project.
- An annual gross salary of € 54.453,00 (before taxes) according to the salary scheme of the Austrian Science Fund ([FWF](#)).

Applications including a scientific CV, a short research statement, and references for possible recommendation letters should be sent by e-mail to lgg@ricam.oeaw.ac.at (mentioning Job ID: RICAM046220).

The Austrian Academy of Sciences (OeAW) pursues a non-discriminatory employment policy and values equal opportunities, as well as diversity. The OeAW lays special emphasis on increasing the number of women in senior and in academic positions. Given equal qualifications, preference will be given to female applicants.