



The **Carinthia University of Applied Sciences** sets high academic standards in an excellent environment in Southern Austria where education, culture and technology are optimally combined. We ensure modern and application-oriented degree programs in the fields of Engineering, Management, Health Science and Social Work at superbly equipped FH-sites, with excellent teaching and research staff complemented by part-time lecturers from industry and international guest lecturers. Further Information you can find on our website: www.fh-kaernten.at/en



With the „INCardio“-Research Project (www.incardio.eu; Interreg V-A Italy-Austria) at CUAS – Carinthia University of Applied Sciences we are looking for applicants for the following position:

Senior Researcher / Postdoctoral Fellow in Modeling and Simulation (m/f/d)

Job profile and tasks

- Research in the biomedical field of modeling and simulating electrophysiological and biomechanical behavior of both single cardiac myocytes and cardiac myocytes networks
- Validation of computed simulation results with in vitro experiments performed by the research project partners
- Close collaboration with research institutes involved in the research project
- Candidates are expected to conduct independent research and publish his/her work in respected journals and conferences

Required competencies and qualifications

- PhD degree in Electrical or Biomedical Engineering with a focus on modeling and simulation, or equivalent working / research experience
- Several years of hands-on experience in a specific field of modeling and simulation methods, like, e.g., Finite-Element-Method, Boundary-Element-Method, Finite-Difference-Method.
- Familiar with programming (e.g., java, C++) and/or application of modeling and simulation software (e.g., Ansys, matlab)
- Experienced in research collaboration with academic and/or industrial partners
- In addition, we expect a proven ability to work in interdisciplinary teams, enthusiasm for the subject combined with reliability and accuracy.
- Good command of English (level B2) and German (level C1), spoken and written

Our offer

Carinthia University of Applied Sciences appreciates the motivation and great commitment of its employees and offers attractive and family-friendly conditions, provides a professional and inspiring environment for high-level applied research in close cooperation with industry and other research institutes.

Scope of employment: part-time position, 20 hours per week

Limited term: initially for one year

Start: January 2022

Place of employment: Campus Klagenfurt, Primoschgasse 10, 9020 Klagenfurt

Salary: Senior Researcher, € 3.149,38 gross monthly salary (14 salaries, minimum monthly salary for full-time employment; negotiable depending on qualifications and professional experience)

Application Deadline: November 07, 2021 – early application advisable

Please note: We regret that we cannot reimburse any travel costs or expenses incurred in connection with participation in the selection procedure.

You can find impressions of working and living in Carinthia, Austria at:

[Carinthia - It's my life / MONTE NERO Productions - YouTube](#)

If you are interested in this position, please submit your **full application with all required documents** via our job portal: www.fh-kaernten.at/jobs.

Requested documents:

- Letter of motivation
- Curriculum vitae incl. photo
- Proof of education and practical experience
- List of publications and pdf of 2-3 relevant publications

We look forward to receiving your detailed application.



flexible
working hours



education & training
for employees



good working
climate



creativity within
the team



sports
activities



home-
office



family-friendly
university