



PhD student in AI-supported Imaging Science and Biomedical Engineering

Key tasks: *In silico* models/computational simulations to predict cell responses plus mechanical and biological properties of advanced materials; Application of statistical and AI-supported methods for data processing and analysis

Application deadline: 01 July 2023

More information about the lab:

http://www.eie.gr/nhrf/institutes/icb/research_groups/KatsilaTheodora_group_en.html

Institute: National Hellenic Research Foundation. Country: Greece

The Biomarker Discovery & Translational Biomarker lab at NHRF is looking for a talented and enthusiastic PhD student. The candidate will contribute to the ongoing and new projects in translational biomarkers, with focus on both digital (image, signal) and molecular entities. The lab is an inter-disciplinary group that fosters the collaboration of computational scientists, engineers, biologists and biochemists.

The candidate should have a strong knowledge in AI-supported methods for biomechanics and biomedical imaging. The candidate will actively contribute to knowledge creation in AI-supported drug repurposing and biomarker discovery pipelines. The candidate should also autonomously consult public data sets and generate new insights relevant to our ongoing or new research projects with emphasis on biomaterials and biomedical imaging.

Your profile

- You hold a BSc with 2:1 honours in a relevant discipline. A 2:2 degree may be considered only where applicants also offer a Master's degree with Merit or above. National/international qualification equivalents do apply.
- A broad experience in machine learning, deep learning, computer science, statistics, bioinformatics or in another quantitative field that combines both methodological and applied research with emphasis on biomechanics and/or biomedical imaging
- Excellent knowledge of Python and R
- You have a very good background in Life Sciences
- Excellent knowledge of English (written and oral)
- Organized and respecting deadlines
- You have the ability to work autonomously while having strong team player skills
- Continuous learning/ be a game changer is part of your mindset

Offer

- You'll be offered a fully funded three year PhD position upon 3-month positive evaluation
- The ability to work on scientifically high-impact, state-of-the-art projects

Interested? For informal inquiries please contact Dr. Theodora Katsila at thkatsila@eie.gr. To apply, please send a CV, academic transcripts, contact details of two referees, and a motivation letter.