



Senior Researcher/Post-doctoral Researcher in Computational Systems Biology

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 multi-omics and image or signal analysis of extracellular vesicles; AI-supported drug repurposing and biomarker discovery pipelines

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 postdoctoral bioinformatics scientist. 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 and track record in bioinformatics and computational statistics in digital (image, signal) and molecular biomarkers. The candidate will actively contribute to knowledge creation in AI-supported drug repurposing and translational 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 computational systems approach.

Your profile

- You hold a Ph.D. in a relevant domain (obtained max. 6 years ago). Or you have a master in bioinformatics and at least one year of relevant and demonstrated (e.g. authorship on publications) experience in computer science or computational biology.
- A broad experience in bioinformatics and data-mining of large omic datasets, image and signal analysis
- Working proficiency in Python and R
- You have a very good background in Life Sciences
- Strong interest in translational research
- Excellent knowledge of English (written and oral)
- You have the ability to work autonomously while having strong team player plus very good reporting and communication skills
- Continuous learning/ be a game changer is part of your mindset

Offer

- You'll be offered a temporary (1 year) full-time contract which will be renewed after positive evaluation
- Salary: depending on your competences and previous relevant work experience
- 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, a resume of your previous research accomplishments, contact details of two referees, and a motivation letter.