



## Post-Doc, PhD and Software developer positions

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If you are a **Graduate student**, **Postdoctoral fellow** or **Software developer/engineer** and wish to join an exciting interdisciplinary team working in the fields of data science, machine learning and artificial intelligence, there are several contractual positions open at the MensXMachina Group in the University of Crete. Research in the group is led by Prof. Ioannis Tsamardinis having several ambitious goals and directions: (a) basic research on causal discovery, causal analysis, and causal modeling, (b) the design of automated learning tools, (c) (deep) neural networks and (d) predictive analytics. The successful candidates will join recently funded International and Domestic projects on Cancer Research, Biomedicine, IoTs and others.

### About MXM ([mensxmachina.org](http://mensxmachina.org))

Our group is a **highly multi-disciplinary** (including researchers with applied math, computer science, engineering, biology and signal processing backgrounds) and **multi-national** team of more than 20 undergraduates, graduate students, post-docs and researchers. We focus on data analysis and machine learning with an emphasis on biomedical data and problems inspired by biological research. We maintain numerous national and international collaborations with biology and medical groups in synergistic, funded research programs. In addition, we have experience with commercialization of our novel methods. Our group has attracted more than 3M euro in last 5 years in European, Greek national, and international research grants.

### Jobs Description

We are looking for bright, ambitious, energetic, hard-working people to join our effort and lead fundamental breakthroughs in the field. All applicants should have a strong algorithmic and mathematical background, a strong publication record in the field, and experience with designing and executing research plans; they should be able to work well as parts of a multi-disciplinary team and have excellent communication skills in English. All applicants should have a degree in a related field, such as computer science, engineering, statistics, applied mathematics or bioinformatics. Experience with analysis of biological data and analysis of high dimensional data is a plus. There are several open positions for:

- **Post-Doc Researcher.** The applicant must have a Ph.D. in one of these research directions and experience with algorithms, methods and analysis based on at least one of the following machine learning, data mining, (computational) statistics, pattern recognition, dynamic systems, data analysis and data science in general. Experience with Causal Analysis will be considered a plus.
- **PhD Candidate in Machine Learning/Artificial Intelligence/Causal Discovery.** The applicant must have a Master's degree in areas such as Data Fusion, Relational Learning, Representation Learning, Multivariate Statistics and learning in Big Data settings.
- **Scientific Programmer.** The applicant should have experience in programming scientific tools and applications, optimizing scientific algorithms and computations, experience with parallel computing, cloud computing and engineering large information systems.

We welcome application from international applicants. Fluency in English is necessary; no knowledge of Greek is required. Greek males applying for the positions should have either fulfilled their military obligations or have secured postponement until the end of the contract.

## Benefits

Compensation is extremely competitive for the Greek cost of living.

## Location

University of Crete is located near Heraklion, the 4<sup>th</sup> largest city in Greece on the coast of the island of Crete. The location is ideal for people who enjoy sunny weather and aquatic activities, or are attracted by the history and archeological sites of the island. The Computer Science Department, who will host the research activities, is sited in new buildings and research facilities completed in 2013.

## Procedure

Interested candidates should send by email to [mensxmachina@gmail.com](mailto:mensxmachina@gmail.com) the following material:

- Curriculum Vitae
- Statement of research qualifications and interests
- At least three reference contacts

## Further information contacts

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For information on the MXM Group:

[www.mensxmachina.org](http://www.mensxmachina.org)