

**UNIVERSITY OF CYPRUS**  
**biobank.cy**  
**CENTER OF EXCELLENCE IN BIOBANKING AND BIOMEDICAL RESEARCH**  
**MOLECULAR MEDICINE RESEARCH CENTER**  
**VACANT POSITION FOR A SPECIAL SCIENTIST – DATA ANALYST**

Title: Special Scientist – Data Analyst  
Number of positions: One (1)  
Category: Contract for 2 years, with potential for renewal  
Place of employment: University of Cyprus, Nicosia

The Molecular Medicine Research Center of the University of Cyprus has one opening for a Special Scientist, funded by the research program: Biobanking and the Cyprus Human Genome Project (CY-Biobank), which is co-funded by the European Commission, the Republic of Cyprus and the University of Cyprus.

**biobank.cy Center of Excellence**

Established in 2011, The Molecular Medicine Research Center (MMRC) was the first research center of the University of Cyprus (UCY) that aspired and aimed at developing front-line research on human genetic diseases and offer better prospects for diagnosis, prevention and therapy, in the framework of precision medicine.

**Required Qualifications:**

The candidate must have:

- BSc in Computer Science or a relative field (e.g. Mathematics, Statistics, Data Analysis etc).
- Professional experience in statistics and data analytics.
- Very good knowledge with a statistical programming language eg. R, SPSS, etc.
- Very good knowledge of database systems and data warehousing, familiarity with the command line.
- Good knowledge of visual analytics methods.
- Knowledge of medical data interoperability, FAIR data management principles, machine learning and AI methods and data quality assessment.
- Experience building reports and dashboards in a data visualization tool
- Passionate about data, analytics and automation. Experience cleaning and modeling large quantities of raw, disorganized data. Experience with a variety of data sources.
- Hands on experience working with SQL, Python, API calls, and JSON, to generate scientific insights.
- Effective communication and collaboration skills, including clear status updates
- Self-motivated and self-managing, with strong organizational skills
- Very good command of written and spoken English language.

**Candidate Profile:**

The candidate should be creative, enthusiastic, and passionate about research. Candidates do not have to be citizens of the Republic of Cyprus. A candidate with previous experience in a similar position, who also has proven qualifications and the ability to take initiatives, will be preferred.

**Responsibilities:**

- Collaborate with researchers in building reports and dashboards with useful analyses and strong data insights.
- Explain trends across data sources, and data caveats for descriptive, diagnostic, predictive (including forecasting), and prescriptive data analysis.
- Understand and document the full lifecycle of data so that all data can be integrated, modeled for easy analysis, and analyzed for data insights.
- Preparing of reports based on key performance indicators (KPI) for the biobank.cy director.
- Setup, maintain and operate of assisting software, as e.g. I2B2, transMart, Atlas/Achilles, etc.
- Expand our databases with clean data by implementing data quality tests while continuously reviewing, optimizing, and refactoring existing data models.
- Responsible for data anonymization and data stewardship.
- Provide data modelling expertise to all biobank.cy members through code reviews, pairing, and data quality training to help deliver optimal, DRY, and scalable database designs and queries.
- Approve data model changes as a Data Team Reviewer and code owner for specific database and data model schemas.
- Maintain our data pool with timely and quality data.
- Contribute to and implement data warehouse and data modeling best practices, keeping reliability, performance, scalability, security, automation, and version control in mind.
- Build and maintain data exchange pipelines and ETL processes from internal databases and SaaS applications.

**Terms of employment**

The position is for a two-year full-time contract with the possibility of renewal depending on funding. The monthly gross earnings will range depending on qualifications from €1500-€2000. Employee contributions will be deducted from this amount. The program does not provide for the payment of 13th salary.

**Submission of applications:**

1. A letter expressing interest to the position with a brief description of qualifications relevant to the opening (1 page).
2. A brief curriculum vitae with description of previous experience (3 pages).
3. Copies of degrees.
  1. Contact details for at least two people qualified to provide recommendations for the candidate, if required.
  2. Certificates attesting to the good knowledge of the greek and english language, unless this is attested by the mother tongue of the candidate or he/she is a graduate of a greek/english school/University.

At least the best three candidates that satisfy the required qualifications, will be interviewed by a 3-member Committee. Candidates shall be informed of the result of their application by the relevant entity.

The University of Cyprus shall collect and process your personal data according to the provisions of the General Regulation on Personal Data 2016/679 (EU).

The University of Cyprus (UCY) is committed to promoting inclusivity, diversity, and equality, as well as the elimination of all forms of discrimination in order to provide a fair, safe, and pleasant environment for the

entire university community, where students and staff members will feel supported both in their professional and personal development, within and beyond their multiple identities. To this end, UCY seeks to create the necessary conditions that will encourage and respect diversity and ensure dignity both in the workplace and society at large. Moreover, UCY has adopted specific policies to promote equal opportunities, as well as respect and understanding of diversity, while it is committed to promoting and maintaining a working, teaching, and learning environment, free from any form of discrimination, whether direct or indirect.

**The application material should be sent electronically as one single pdf file to [biobank@ucy.ac.cy](mailto:biobank@ucy.ac.cy), at the latest until 18th August 2023.**

For more information the candidates may contact the Coordinator of the project, Prof. C. Deltas,  
Tel.: 22-892882 or Email: [Deltas@ucy.ac.cy](mailto:Deltas@ucy.ac.cy)