"ALEXANDER FLEMING"
Biomedical Sciences Research Center

MSc/PhD Researchers in Human Genomics, Statistical Genetics, Bioinformatics, Computational Biology

The Dimas group, at **BSRC Alexander Fleming** in Vari, Athens, Greece, is seeking expressions of interest from highly motivated researchers with an MSc or PhD in human genomics, biostatistics, statistical genetics, bioinformatics, computational biology or a related field, to contribute to the ERC Proof of Concept project **LDL-ACT**.

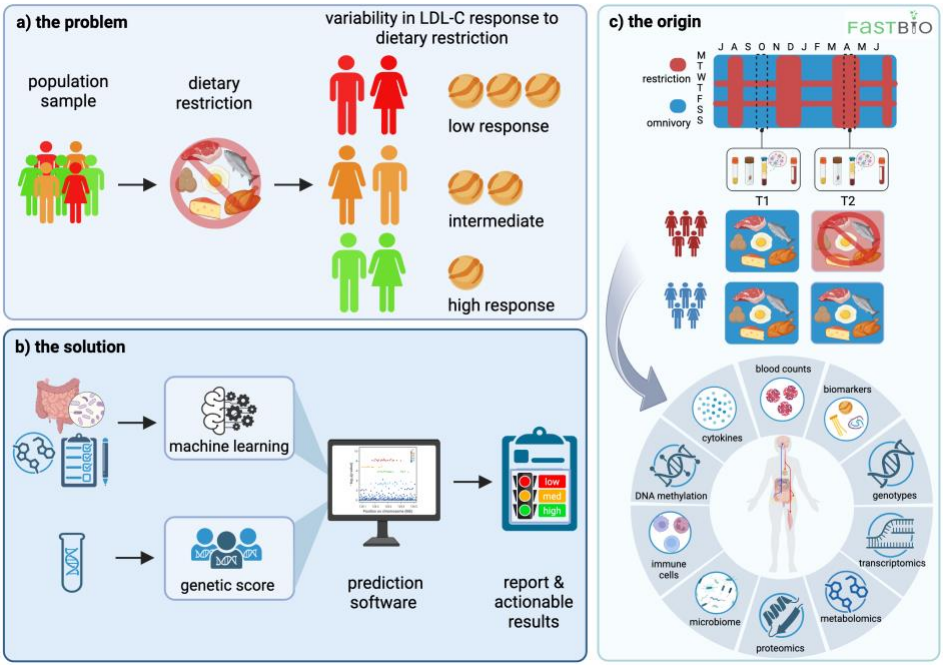
LDL-ACT builds on **FastBio**, a multi-omics study that investigates the molecular impact of dietary restriction in humans. LDL-ACT aims to translate molecular and genetic insights from FastBio into a **predictive framework for cardiovascular disease prevention**, with a particular focus on predicting individual responses in LDL cholesterol following dietary restriction.

The project will integrate genetic, transcriptomic, proteomic, metabolomic, and gut microbiome data, with clinical and lifestyle information, to identify biological determinants of response and develop predictive models. The work will involve analysis of large-scale datasets through multi-omics integration, machine learning, statistical genetics, QTL analysis and development of genetic risk scores. We are particularly interested in candidates with experience in the following areas:

- statistical genetics, biostatistics
- polygenic risk score development
- genetic association and QTL analysis
- multi-omic data analysis, machine learning and predictive modelling

The positions offer the opportunity to work with a rich, deeply phenotyped human cohort and an extensive collection of molecular datasets, within an interdisciplinary research environment, and researchers will contribute to the development of a project with a **clear translational objective**. We welcome expressions of interest from both MSc and PhD holders, including candidates with strong quantitative or biological backgrounds who are interested in developing expertise at the interface of human biology, statistical genetics, multi-omics and data science.

Interested candidates are invited to send a CV and a brief statement describing their research background, relevant expertise and interests to dimas@fleming.gr by **30 September 2026**.



34 Al. Fleming Street, Vari 166 72, Greece; Phone: +30 210 9656310-11, Fax: +30 210 9653934
secretariat@fleming.gr - http://www.fleming.gr