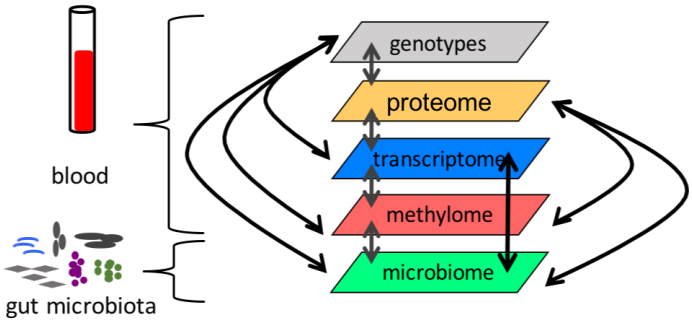
"ALEXANDER FLEMING"
Biomedical Sciences Research Center

Call for Expressions of Interest

Postdoctoral Fellow, PhD Student, Staff Scientist Positions

The Dimas Lab is recruiting researchers at all levels (postdoctoral fellow, PhD student, staff scientist) to join our team at **BSRC Alexander Fleming** in Athens, Greece, to **work on ERC-funded research in regulatory genomics and disease genetics**. The group's research is highly interdisciplinary and covers human genomics, systems biology, statistical genetics, bioinformatics, and molecular biology.



Our group's main project addresses the molecular impact of dietary intake in humans through comparison of molecular and functional effects in two groups of individuals with distinct dietary regimes (www.fastbio.gr in Greek). Molecular effects are explored in the context of embedded genetic variation, through a comprehensive set of omics assays, including transcriptomics, epigenomics, proteomics and investigation of the gut microbiome. Functional consequences are interrogated at the cellular level through primary cell culture. We are uncovering striking molecular differences across dietary groups and across sampling timepoints. We are seeking **highly motivated** individuals to join our group and take part in analysis of genotype, RNA-Seq, EPIC methylation array, Olink proteomics, and 16S rRNA-Seq data in order to: a) uncover signatures linked to the nutritional environment, b) explore how dietary intake affects molecular pathways linked to disease susceptibility, and c) interrogate whether diet can be used in combination with therapeutic agents to maximise their effect.

Postdoc: The ideal candidate will have a PhD in a quantitative discipline such as Computational Biology, Bioinformatics, Statistical Genetics, Biostatistics and related fields. She/he will have experience in in analysing large-scale, biological datasets using R, python, perl etc.

PhD student: The ideal candidate will have a degree in Computer Science, Statistics, Computational Biology, or in Biological Sciences, but with strong computational skills. Candidates who also hold an MSc in one of the above fields will be preferred.

Staff scientist: The ideal candidate will have a degree in Computer Science or a related field, and experience in processing and management of large-scale (preferably biological) datasets.

Requests for more information and expression of interest should be sent to Dr Antigone Dimas dimas@fleming.gr. Candidates should email a cover letter outlining their interests and areas of expertise (1 page max), together with their CV (**indicate position code: 202107_EoI_AD**). For more information, candidates may call +30 210 9656310 (ext 143).

Deadline: 20 September 2021

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

BSRC Fleming *is a top-ranked Greek non-profit research organisation focusing on scientific and technological excellence, training and innovation in biomedical sciences. The Center was established in 1998, and operates under the supervision of the General Secretariat for Research and Innovation (GSRI) of the Hellenic Ministry of Development and Investments. Competitive funding each year amounts to 75-85% of the total budget of the Center, an achievement that underlies Fleming's strategic prioritization of research and innovation. BSRC Fleming has gained international recognition for its pioneering research towards understanding the molecular and cellular basis of human diseases, such as autoimmune disorders, cancer, neurodegenerative conditions, osteoporosis, pulmonary fibrosis and others, and the development of new approaches for their diagnosis and treatment. Fleming's strength and international visibility lies on its focus and success in developing and characterizing animal models that mimic human disease and the Center has consequently invested heavily on related infrastructures. The Center has achieved top performance indicators of academic and research excellence while practices transparent and fair processes for all personnel recruitment, including researchers ensuring equal treatment of all applicants based solely on scientific merit, academic qualifications and expertise in specific research areas as required.*