

**Intro:**

The BioArte Ltd is developing personalised remedies for several diseases by providing molecules obtained from human and animal microbiota. Our scientific founders have pioneered our modern understanding of how the immune system senses microbes, and contributed seminal discoveries to the microbiome field, including the identification of immune-regulating and immune-potentiating bacteria that live in association with humans, animals and flora.

The Bio Arte is the first entrepreneurial subject in Malta, which is able to provide a molecular characterisation service of the microbiota (skin, vaginal, nasopharyngeal & intestinal) through an innovative patented and easy to interpret analysis method. Our mission is to provide state of the art analysis of microbiota and its implication on the balance of our health. Our analysis methods are constantly updated with all the clinical studies which are also available to industry expert

What do we need to achieve?

The concept of Bioarte' is to study the microbiome composition in the population and develop a prognostic scheme for the cure and prevention of life threatening inflammatory diseases. The function of the prognostic scheme is to devise, manufacture and administer patient-specific probiotic therapeutic interventions. In addition, probiotics improve the efficacy of current treatment protocols used to treat chronic inflammatory diseases (eg. Immunotherapy, anti-inflammatory and pro-resolution interventions) and they are critical preventive measures for latent disease onset in subjects with dysbiosis at a young age. The same process will be applied to the veterinary and food sector.

The Bio Arte Limited

Laboratories at Life Science Park, SGN 300, San Gwann, Malta
Administration at The Victoria Centre, Unit 2, Lower Ground Floor, Valletta Road,
Mosta, MST 9012, Malta
Company registration number C 94222 / Vat Number MT 2680 6204
BOV Bank details: The Bioarte Limited / Account Number : 50007633064
IBAN: MT12VALL22013000000050007633064



Qualifications: MQF level 8 (PhD or equivalent) in Molecular Biology (Genetics) with experience in Bioinformatics platforms (e.g. R) OR in Microbiome Bioinformatics with laboratory experience in Molecular Biology

Main Duties:

1. DNA/RNA extraction with manual kits and/or robotic equipment like king Fisher
2. Handling of biological samples in a BLS2 environment
3. Library preparation and next-generation sequencing for microbiome (16S, ITS & viral NA) analysis, including bioinformatic data analysis
4. Acquisition, installation/validation and training on necessary instrumentation and software to support molecular diagnostics and NGS assay development for microbiome analysis
5. Clinical correlation of microbiota profile obtained in BioArte with other profiles available online
6. Support medical doctors in the biological interpretation of results achieved
7. Familiar with Nanopore and Illumina sequencing equipment
8. Proficient with processing fastq files and extrapolate the needed information
9. Writing and updating of relevant standard operating procedures (SOPs).
10. Following established SOPs for the preventive maintenance and calibration of laboratory equipment and facilities.
11. Following quality management system protocols of documentation and record keeping, including but not limited to validation/verification and test reports, inventory management, Safety Data Sheets (SDS's) and Certificates of Analysis (COA's).
12. Independent development, validation, and implementation of complex genomics assays to support clinical studies under the direct control of Lab Head or Directors.
13. Preparation of weekly reports for the Director or Lab Head.
14. Following the data management policy of the company

Remuneration

Indefinite involvement with a probation period of 6 months, a salary of 35k

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