JOB OFFER

REFERENCE	OPENING DATE	DEADLINE
EU21/16	11/03/2022	20/03/2022

PROFILE REQUIREMENTS

EXCLUSIVE REQUIREMENTS: (1)

ACADEMIC DEGREE	PhD Degree in Biology or Biomedical Sciences (Biochemistry, Biotechnology, Biomedicine)
EXPERIENCE	Experience in Bioinformatics

VALUED MERITS /SKYLLS

FURTHER	Notions of Bioinformatics, Computer Science, Computational Biology or a related discipline
EXPERIENCE	• Programming skills in Python and development of Bash pipelines for analysis of bacterial and viral genomes • Knowledge of Biostatistics: R, ODE/PDE Models with MATLAB applied to epidemiology and clinical investigation of microorganisms. • Technical knowledge on the field of genomics, and data analysis. Knowledge of bioinformatic analysis platforms (eg Illumina, OxfordNanopore, etc) • Experience in analysis of SARS-CoV-2 variants
LANGUAGES	Professional language skills in English – both written and spoken
OTHERS	Participation in research projects

CONTRACT INFORMATION

TYPE OF CONTRACT	EXPECTED INCORPORATION DATE	JOB STATUS
Associated to a Research Project	April, 2022	Full time (35 h/week)

ANNUAL GROSS SALARY	DURATION OF THE CONTRACT
29.590,87 €	6 months (Extendable depending on the project funds availability)

WORK LOCATIONS	UNIT/DEPARTMENT
University Hospital Marqués de Valdecilla	Microbiology Service

OFFER DESCRIPTION

Research Support Technician

DESCRIPTION OF THE TASKS IN THE PROJECT

●Design and development of protocols and procedures for processing data from the NGS laboratory.
● Bioinformatic analysis of sequenced samples using the different NGS platforms for bacterial and viral genomes (SARS-CoV-2), as well as the microbiome from different biological samples.
● Analysis of SARS-CoV-2 variants.
● Presentation of reports using data visualization techniques, in order to communicate the results clearly.

PRINCIPAL INVESTIGATOR / RESPONSABLE	RESEARCH GROUP	RESEARCH PROJECT
Jorge Calvo Montes	Pathogenic Epidemiology and Mechanisms of Infectious Diseases and Clinical Microbiology	EU21/16: Proyecto Hera Incubator Enhancing Whole Genome Sequencing (WGS) and/or Reverse Transcription Polymerase Chain Reaction (RT-PCR) national infrastructures and capacities to respond to the Covid-19 pandemic in Spain - HERA Incubator

RECRUITMENT INFORMATION

SELECTION PROCESS STAGES (2)	EMPLOYMENT EXCHANGE
Preselection: Inverview: maximum number of candidates to be interviewed: 3 Resolution:	YES

SELECTION BOARD

- **Jorge Calvo Montes, Project´s Main Researcher**
- **Galo Peralta, IDIVAL´s Management Director**
- **Patricia Álvarez-Ingelmo, IDIVAL Human Resources Coordinator (She will act as registrar of the selection board).**

VALUATION OF MERITS

MERITS	EVALUATION	SCORE		MAXIMUM
Notions of Bioinformatics, Computer Science, Computational Biology or a related discipline	curriculum	Merit fulfillment	Yes/No	20
Programming skills in Python and development of Bash pipelines for analysis of bacterial and viral genomes	curriculum	Merit fulfillment	Yes/No	10
Knowledge of Biostatistics: R, ODE/PDE Models with MATLAB applied to epidemiology and clinical investigation of microorganisms.	curriculum	Merit fulfillment	Yes/No	10
Technical knowledge on the field of genomics, and data analysis. Knowledge of bioinformatic analysis platforms (eg Illumina, OxfordNanopore, etc)	curriculum	Merit fulfillment	Yes/No	10
Experience in analysis of SARS-CoV-2 variants	curriculum	Merit fulfillment	Yes/No	10

Professional language skills in English	curriculum	Merit fulfillment	Yes/No	5
Participation in research projects	curriculum	Merit fulfillment	Yes/No	5
FINAL SCORE				
MAXIMUM TOTAL SCORE BY MERITS				**70**
MAXIMUM TOTAL SCORE IN INTERVIEW				**30**
MAXIMUM TOTAL SCORE				**100**