



The Laboratory of Plant and Environmental Biotechnology, Department of Biochemistry and Biotechnology, University of Thessaly has two open postdoctoral positions:

1. A postdoctoral position in Bioinformatic analysis of Microbial Ecology data.

Qualifications: The applicant is expected to have a first degree in Biological Sciences or Chemistry, or other relevant Sciences, an MSc in Bioinformatics or Computational Biology or other relevant areas (desirable) and a PhD in Molecular Microbial Ecology or Soil and Environmental Microbiology or Bioinformatics.

Description of Work: The selected candidate will participate in a project looking the analysis of the microbiome of emblematic varieties of Greek olive trees. In this respect he/she will be responsible for the preparation of soil and plant samples for sequencing and the analysis of the amplicon sequencing data derived (Illumina) using appropriate bioinformatic tools. In addition it is expected that the selected candidate will be able to use advanced statistical tools (i.e. R software) to analyze the derived data and identify the factors that drive the composition of the microbiome of olive trees. Experience in the analysis of omic data including genomic data from bacterial and fungi, metagenomic and metatranscriptomic data from environmental and microbial samples will be desirable.

Position Duration: From 1.8.2019 till 29.10.2020

Type of Contract: Postdoctoral Fellowship

Salary: 1350 euro / month (net)

Description of the Hosting Group: The selected candidate will join an enthusiastic group with expertise in Environmental Microbiology, Plant - Microbe interactions and Plant Biotechnology composed of four faculty members, 8 postdocs and 10 PhD students. The candidate will be given laboratory space and access to a server and two workstations hosted by the Department of Biochemistry and Biotechnology and the Laboratory of Plant and Environmental Biotechnology respectively for bioinformatic analysis. He/She will work closely with a senior postdoc with expertise in bioinformatics who will be available to support analysis if required.

More details about the group could be found in the following link: <http://plantenvlab.bio.uth.gr/>

For more details contact

Prof. Dimitrios Karpouzas, Tel +30-2410565294, Email. dkarpouzas@bio.uth.gr

Assoc. Prof. Kalliope Papadopoulou Tel. +30-2410565244, Email kalpapad@bio.uth.gr

The position will be advertised in the following link: http://ee.uth.gr/el/jobs_index2



2. A postdoctoral position in Molecular Microbial Ecology

Qualifications: The applicant is expected to have a first degree in Biological Sciences or other relevant Sciences, an MSc in Environmental Microbiology, Biotechnology, Molecular Biology or other relevant areas (desirable) and a PhD in Molecular Microbial Ecology or Environmental Microbiology or Plant-Microbe Interactions.

Description of work: The selected candidate will participate in a project looking at the composition, the ecological role and the function of the microbiome of emblematic Greek vine varieties, the factors shaping this microbiome (grapes, leaves) and the composition, dynamics and function of the microbiome of the vinification process. In this respect he/she will be responsible (a) for the collection of samples from selected vineyards (b) DNA extraction, PCR amplification and preparation for Illumina sequencing (c) analysis of the amplicon sequencing data and metagenome analysis data from selected vinification processes using appropriate bioinformatic tools. In addition it is expected that the selected candidate will be able to use advanced statistical tools (i.e. R software) to analyze the derived data and identify the factors that drive the composition of the microbiome and the determination of the core microbiome of studied varieties.

Position Duration: From 1.8.2019 till 29.10.2020

Type of Contract: Postdoctoral Fellowship

Salary: 1200 euro / month (net)

Description of the Hosting Group: The selected candidate will join an enthusiastic group with expertise in Environmental Microbiology, Plant - Microbe interactions and Plant Biotechnology composed of four faculty members, 8 postdocs and 10 PhD students. The candidate will be given laboratory space in the main laboratory of the group, access to all laboratory facilities and to a server and two workstations hosted by the Department of Biochemistry and Biotechnology and the Laboratory of Plant and Environmental Biotechnology respectively for bioinformatic analysis. He/She will work closely with a PhD student and a senior postdoc with expertise in bioinformatics who will be available to support analysis if required.

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