



מכון ויצמן למדע

WEIZMANN INSTITUTE OF SCIENCE
Department of Plant and Environmental Sciences

Post-Doc Position in Marine Metabolomics

The Vardi lab in the Plant and Environmental Sciences Department at the Weizmann Institute of Science studies microbial interactions of photosynthetic microorganisms in the ocean. Our work aims at elucidating the cell signaling pathways that regulate cell fate decisions and uncover the chemical signals (infochemicals) involved in the complex microbial interactions and their impact on large scale processes in the oceans.

Job Description

The Vardi lab is seeking highly skilled and motivated postdoctoral candidates with demonstrated expertise in metabolomics to join a new and exciting ERC funded project in the field of chemical ecology in the context of host-pathogen interactions in the ocean. The project will focus on applying metabolic approaches for targeted metabolomics, non-targeted metabolic profiling, metabolic fingerprinting and *de novo* identification of novel metabolites that mediate microbial interactions. Our laboratory employs state-of-the-art mass spectrometry (including high resolution LC-MS, GC-MS) to investigate the metabolic dynamics of microbial interactions at sea.

Candidates with a strong background in metabolomics and high-resolution mass spectrometry are encouraged to apply. The position involves expertise in LC-MS-based metabolomics, developing and validating targeted and untargeted metabolomics methods, high competence in statistical analyses (PCA/multivariate analyses), bioinformatics tools and databases for data analysis, as well as running independent metabolomics research projects. Strong publication record on metabolomics is preferable.

How to apply

Please send your applications containing your curriculum vitae, contact information, statement of research interests and three letters of reference by email to:

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For further information please visit our website: <http://www.weizmann.ac.il/plants/vardi/>