

## **Postdoctoral: Wildfire Risk Analysis and Pyrogeography – University of Haifa, Israel**

A postdoctoral position is available in the field of wildfire risk analysis and pyrogeography. The position is at the Faculty of Natural Sciences, University of Haifa, Israel. This is a two year position that begins in the summer of 2021, with optional extension depending on performance and the availability of funding. The selected candidate will collaborate with Dr. Avi Bar-Massada (<https://oranim-spatialecology.weebly.com/>), and members of FirEUrisk, an EU research consortium funded under the Horizon 2020 program aimed at developing a holistic, risk-wise strategy for European wildfire management. The main tasks will be to [1] develop and analyze machine-learning models of wildfire ignition distribution in Europe at local to continental scales; [2] to adapt and develop methods to map the Wildland-Urban Interface (WUI) and implement them across the entire EU. Depending on progress, there will be opportunities to expand these lines of research into additional studies on the spatial and temporal patterns of fire risk and the WUI.

The successful candidate must have a PhD in ecology, geography, or remote sensing, with a proven background in pyrogeography, geospatial analysis of broad-scale environmental processes, or environmental data science. Experience in GIS and R is required, and familiarity with spatial statistics and machine-learning algorithms is preferred.

The position will be based at the Oranim campus of the University of Haifa. Located in Kiryat Tivon, this campus houses UH's Department of Biology and Environment ([https://biology-and-environment.haifa.ac.il/?page\\_id=2280&lang=en](https://biology-and-environment.haifa.ac.il/?page_id=2280&lang=en)), which comprises a diverse group of faculty and graduate students who conduct research in multiple biological disciplines. Kiryat Tivon is a lively suburban town of 18,000 surrounded by expansive Oak woodlands. The nearest big city is Haifa.

Interested candidates should send an application as a single PDF file containing a cover letter, a detailed CV, and the names and contact details of two referees to Dr. Avi Bar-Massada ([avi-b@sci.haifa.ac.il](mailto:avi-b@sci.haifa.ac.il)). Applications will be reviewed until the position is filled.