

Ph.D. / Postdoc Position (climate and meteorology)

The Hebrew University of Jerusalem is seeking a Ph.D. student or postdoctoral research fellow in meteorology for the Israeli Ministry of Science project “Understanding projections of a drier Eastern Mediterranean: from global-scale mechanisms to synoptic and local scale impacts on precipitation.” The successful candidate will pursue research on connecting projected changes in subtropical dry zones to the Eastern Mediterranean, and shed light on the substantial inter-model diversity in the magnitude of projected drying. A particular focus will be on addressing the mechanisms for regional drying, the causes of biases in the representation of these connections by climate models, and the impact on regional scale precipitation patterns. The work will involve numerical modelling with a general circulation model, analysis of model outputs (e.g. CMIP) and observations, and theory. The initial appointment is for one year, renewable for up to two additional years. The work will be done in Jerusalem, Israel, in the Institute of Earth Sciences. The research groups include Dr. Chaim Garfinkel, Dr. Ori Adam, Prof. Efrat Morin, Dr. Dorita Rostkier-Edelstein, Prof. Yehouda Enzel, and Prof. Uri Dayan. The position is available from early 2018 with the starting date negotiable.

Required:

- Ph.D. (awarded within the last 5 years) or M.Sc. (awarded within the last 2 years) degree in climate science, meteorology, or physical oceanography. Recipients of Ph.D. degrees in engineering and applied mathematics will also be considered. Candidates expecting to obtain their Ph.D. degree in early 2018 are also encouraged to apply.
- Ability to work independently and as a team member.
- A strong mathematical background and good computing skills, including programming.
- Proper scientific attitude and drive.
- Good English skills (both writing and speaking).

Considered an advantage: Good knowledge of atmospheric dynamics, experience in climate modelling (specifically WRF or CAM), experience with Unix/Linux including shellscript programming, advanced skills in Matlab and Fortran (F90), and a solid publication record.

The positions will remain open until filled. Please send your application to ori.adam@mail.huji.ac.il by e-mail titled “Eastern Mediterranean research position”. The application should include a CV (including education history and publication record), a brief statement of research interests and future career plans, and the names and contact information of two or more references. Salary is based on experience and performance according to the Hebrew University of Jerusalem salary scale.