PhD or Postdoc opportunity on the links between tectonic changes and deformation and reorganization of fluvial networks

The Earth Surface Dynamics group in Ben-Gurion University of the Negev has an opening for a fully-funded PhD or Postdoc position as part of the Israel Science Foundation project on ‘Reorganization and Deformation Patterns of Fluvial Basins in Response to Changing Tectonic Gradients’.

The successful applicant will develop and expand existing numerical tools to evaluate and quantify the range of responses of fluvial drainage networks to changes in tectonic gradients. Numerical results will be compared and contrasted against novel physical landscape evolution experiments and field analysis. If the position is filled by a PhD candidate, it would be for four years, and if it is filled by a postdoc, the position would be for one year with a possible extension.

PhD applicants should have a demonstrated experience in basic programming and GIS, excellent written and oral communication skills in English, and a general enthusiasm for quantitative analysis and modeling of Earth systems. Background in geomorphology, tectonics, or alike is advantageous.

Postdoctoral applicants should have a demonstrated experience in developing numerical models, strong GIS capabilities, excellent written and oral communication skills in English, and an interest in Earth surface dynamics.

If you are interested or for inquiries, please contact Liran Goren at gorenl@bgu.ac.il