Job short description:
The department of Earth Sciences has an open position for a PhD candidate within the group of Earth Surface Dynamics (S. Castelltort). The student will work in the Ebro Basin (Spanish Pyrenees) on the deconvolution of climatic signals recorded in fluvial to marines successions in the foreland during Eocene times. In addition to extensive field work, the student will develop the use of stable isotopes of carbon and oxygen, whole rock geochemistry, and petrography in order to establish robust correlations across the basin, at higher resolution than allowed by the field alone. Correlations will be used to compute material fluxes and the volumetric partitioning of different depositional environments in order to understand the propagation of climatic signals within one single source-to-sink system.

The position requires a master in Earth Sciences, with a solid education in field-geology, sedimentology, sequence stratigraphy, and a taste for conceptualisation, quantification of processes and observations.

Contact: sebastien.castelltort@unige.ch / Please send a short CV, university grades, and names of 2 reference persons.

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