



Mentoring Lecture Series

Empowering Women to Develop Academic Careers

November 27, 2012, 16:00

UZAII 2A502

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Climate events at the end of the Last Glacial Maximum

More than a century and a half of detailed Quaternary geological mapping both within the Alps and on the forelands has led to a better understanding of past climate events. To learn more about the timing of past glacier expansions, in situ produced cosmogenic nuclides are used. Cosmogenic nuclides build-up predictably within mineral grains of rocks and sediment exposed to cosmic rays. The measured concentrations are a natural clock of how long a rock surface has been exposed. Boulders on ice marginal landforms as well as bedrock surfaces are directly dated, yielding information on the time elapsed since ice decay. Results are viewed in light of morphostratigraphic relationships and related datings from other methods. Accurate chronologies and integration of all methods provides the foundation for understanding past events in both time and space.

The science lecture (ca. 1 hour) is followed by a Question & Answer period on issues specific to career development of women in academia (e.g., options, barriers, how to overcome them, good practices and strategies).

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