

## Microfacies in Anisian (Middle Triassic) carbonates of Nevada, USA

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The Anisian (Middle Triassic) sediments that crop out in a few mountain ranges in northwestern Nevada, USA, were deposited in a rather shallow part of the Panthalassic Ocean. Of particular interest to this study is the Fossil Hill Member (Star Peak Group), which is a fossil-rich sequence with alternate layers of carbonates and marlstones.



In the course of the DFG-project “The Anisian (Middle Triassic) Ammonoids of Nevada - An Integrated Approach to understand Morphological Change” a first field campaign took place in summer of 2017. We measured lithostratigraphic sections and collected rock samples and fossils. The former will be processed to thin sections. **We are currently looking for a Master`s student to investigate the carbonate microfacies and/or the chemostratigraphy ( $\delta^{13}\text{C}$ ) of the measured sections in Nevada, USA.** The integration of chemostratigraphy is expected to tighten the biostratigraphical scheme and provide a better understanding of the paleoenvironmental conditions.

### About you:

You should have a background in geology with some basic knowledge of stratigraphy, chemostratigraphy, sedimentology, and paleontology. We expect you to be able to work independently, but also as a member of a group and a common goal. In the summer of 2018 we will return to Nevada to continue with the fieldwork. Therefore, the scope of this proposed Master`s project is still open to some extent. You are of course very welcome to incorporate your own ideas.

### Interested?

Please send inquiries or a brief expression of interest to Jens Lehmann ([jens.lehmann@uni-bremen.de](mailto:jens.lehmann@uni-bremen.de)) and/or Eva Bischof ([bischof@uni-bremen.de](mailto:bischof@uni-bremen.de)).

