

# ANTARCTIC TECTONICS AND CLIMATE

## Uplift of the Transantarctic Mountains and global climate change 34 million years ago: A chicken or egg problem?

### Frank Lisker

is a geologist working in both polar regions since he began his PhD thesis 30 years ago at the University of Bremen. He feels particularly at home in the Transantarctic Mountains, one of the largest mountain chains of the world, which he explored in seven expeditions and several research projects during this time. Frank is especially interested in uplift processes and long-term landscape formation related to (super-)continental rifting and break-up, the formation of passive and sheared continental margins, and consequences on climate evolution and faunal and floral radiation. Besides his research, Frank is also active in polar science administration, for example as former earth science coordinator of the DFG priority programme "Antarctic Research with Comparative Investigations in Arctic Ice Areas" and as current speaker of the working group "Geology and Geophysics of the Polar Regions" within the German Society of Polar Research.



### Daniela Röhnert

was hooked on the pristine nature of polar regions in early teenage days. Her passion soon determined future decisions and led her to study geoscience. For her master's, she moved to Svalbard and experienced life in the Arctic throughout the seasons over three consecutive years. Daniela became involved in several international collaborations and field campaigns at UNIS (Svalbard). She joined a ship-based expedition to eastern Svalbard for her master's thesis on past shelf environments. In 2018, she started her Ph.D. at the University of Bremen studying controls on landscape evolution in the Transantarctic Mountains of northern Victoria Land. As part of the project, she participated in the Antarctic expedition GANOVEX XIII to address the complex coupling of present-day topography with tectonics and climate. In addition to her research activities, she gives workshops in schools to raise awareness for the role of polar regions in the past, present and future.



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17:00 - 18:00 Uhr

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Bitte melden Sie sich per Email an [polarstunde@polarforschung.de](mailto:polarstunde@polarforschung.de) bis spätestens 12. April an. An alle Teilnehmenden wird der entsprechende (kostenlose) Zoom-Link rechtzeitig am Tag der Veranstaltung verschickt.

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