

# Geowissenschaftliches Kolloquium

# *Hydrothermal alteration in the Oman ophiolite*

Donnerstag, 30. Januar 2020 - 16.15 Uhr

## Michelle Harris

University of Plymouth - UK

Seawater circulation through the ocean crust is a fundamental Earth process, influencing the magmatic accretion of new seafloor and modifies the chemistry of the crust, oceans and the mantle. Deep hydrothermal circulation in the lower crust is poorly constrained due to a lack of samples. The Oman Drilling Project has recovered 1.9km of core through the lower crust preserved in the Semail ophiolite, Oman, and provides an unrivalled opportunity to characterise and quantify deep hydrothermal circulation.



After studying Geosciences at the University of Leeds, **Michelle Harris** completed her PhD at the University of Southampton in 2011. Her research addresses fundamental questions about the role of hydrothermal circulation at mid-ocean ridges and has taken her on multiple IODP Expeditions and most recently to the Semail ophiolite in Oman. Since 2015, she has been a Lecturer at the University of Plymouth.

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## Institut für Geologische Wissenschaften

Großer Hörsaal (C.011), Haus C  
Malteserstrasse 74-100  
12249 Berlin



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