

# Geowissenschaftliches Kolloquium

## *Medical mineralogy: a geoscientist's perspective of bone formation*

Donnerstag, 22. November 2018 - 16.15 Uhr

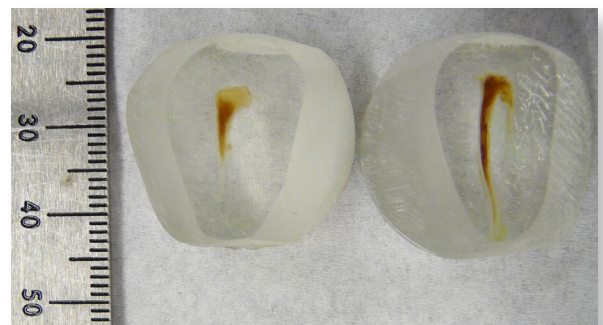
### Helen King

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Our bones and teeth are made up of minerals. The formation environment of these materials controls their functional properties, yet, we know very little about this environment or how to change it when mineralisation stops working properly. In geoscience we get around this problem by using the cryptic clues that are retained in the minerals themselves. In this talk I will test the hypothesis: could the geoscience perspective also be used to reconstruct the bone mineralization environment?



Originally a chemist from the UK, **Prof. Helen King** moved to Münster to obtain a PhD in Mineralogy. She is now the Assistant Professor of Mineralogy in the Department of Earth Sciences at Utrecht University. Her research focuses on the low temperature formation and dissolution of minerals including those made by biological processes, e.g., in bone and microbial communities.



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