

**30. November 2017, 16 ct – 18 Uhr
Hörsaal Fahnenbergplatz**

Dr. Michael Rinderer
Albert-Ludwigs-Universität Freiburg



Chasing water and nutrients in mountain headwaters

Why do some mountain streams respond so quickly to rain storms, when they don't respond much during other rainfall events? Which parts of a catchment contribute to streamflow and how dynamic is the contributing area during events and seasons? From which soil depth do trees get their water and nutrients from and does it differ between forest stands?

In my talk I will present my recent work to better understand groundwater dynamics and runoff generation processes in mountain headwater catchments and I will show first results from an ongoing research project that investigates differences in the strategies of forest ecosystems in their ability to gain water and nutrients.