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**UNIVERSITÄT
BERN**

Seminar über Ultrafast Science and Technology

Referent: Aaron Christopher Riede, University of Konstanz, DE

Titel: Nonlinear Plasmonics of Germanium Nanoantennas in the Midinfrared Range

Large biomolecules show a specific footprint in the MIR range, which is detectable with MIR absorption spectroscopy. In order to increase the absorption cross section, we investigate the resonance behavior of different Germanium antennas. This is done by measuring the augmented third harmonic generation and the increased extinction of resonant antennas. The main focus of the work will be on the generation of the broad band MIR light in the range of 10...20um and, of course, the presentation of the results.

Zeit: Dienstag, 09.05.2017, 14:15 Uhr

Ort: **Hörsaal B5**, Gebäude exakte Wissenschaften, Sidlerstrasse 5, Bern, Schweiz