



Einladung zum Vortrag von

Dr. Hubert Gstach

Universität Wien, Medizinische Universität Wien

**„Design of an Aminoalcohol Antimalarial with
picomolar Activity against Chloroquine Resistant
Plasmodium Falciparum”**

The seminar contribution will describe the long way of a University project, which started from a lousy hit and matured finally in a drug candidate. Special attention will be given to structural work. Combined spectroscopic studies by NMR, IR, and X-ray will be presented. The structural investigations revealed a cooperative multi-center hydrogen bonding controlling the overall conformation of the molecules, and thereby also the flexible amino alcohol pharmacophore. The complex network of hydrogen bonds created the most active amino alcohol antimalarials known today. The conclusions taken from these structural investigations will lead to a comparison with known amino alcohol drugs. A proposal for identifying the unknown target of these compound class will be included.

Mittwoch, 30. November 2016, 16:15 Uhr
Hörsaal 3 der Fakultät für Chemie
Währinger Straße 38, 1090 Wien

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