



Einladung zum Vortrag von

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**„Novel anticancer metal based compounds to  
interfere with cellular processes“**

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Platinum complexes belong to the most widely applied anticancer chemotherapeutics. One of the biggest drawbacks of these compounds is their low selectivity for tumour tissue. Ruthenium compounds are in the focus of search for new anticancer drugs and it was shown that the ligand sphere strongly influences their anticancer and antimetastatic properties.

Different approaches have been explored in design of metal-based anticancer complexes, including synthesis of mono- and bifunctional compounds, specific targeting kinase and proteins.

This presentation will focus on targeting of several cellular processes highly specific for the cancer cell. New compounds may interfere with the glycolysis, activity of the retinoid X receptor or angiogenesis. The structural modification with regard to the ligand, the leaving group, and the oxidation state of metal is discussed. The complexes showed excellent in vitro cytotoxicity in number of the human cancer cell lines and some of them in vivo anti-angiogenic activity.

Donnerstag, 11. Mai 2017, 17:00 Uhr  
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