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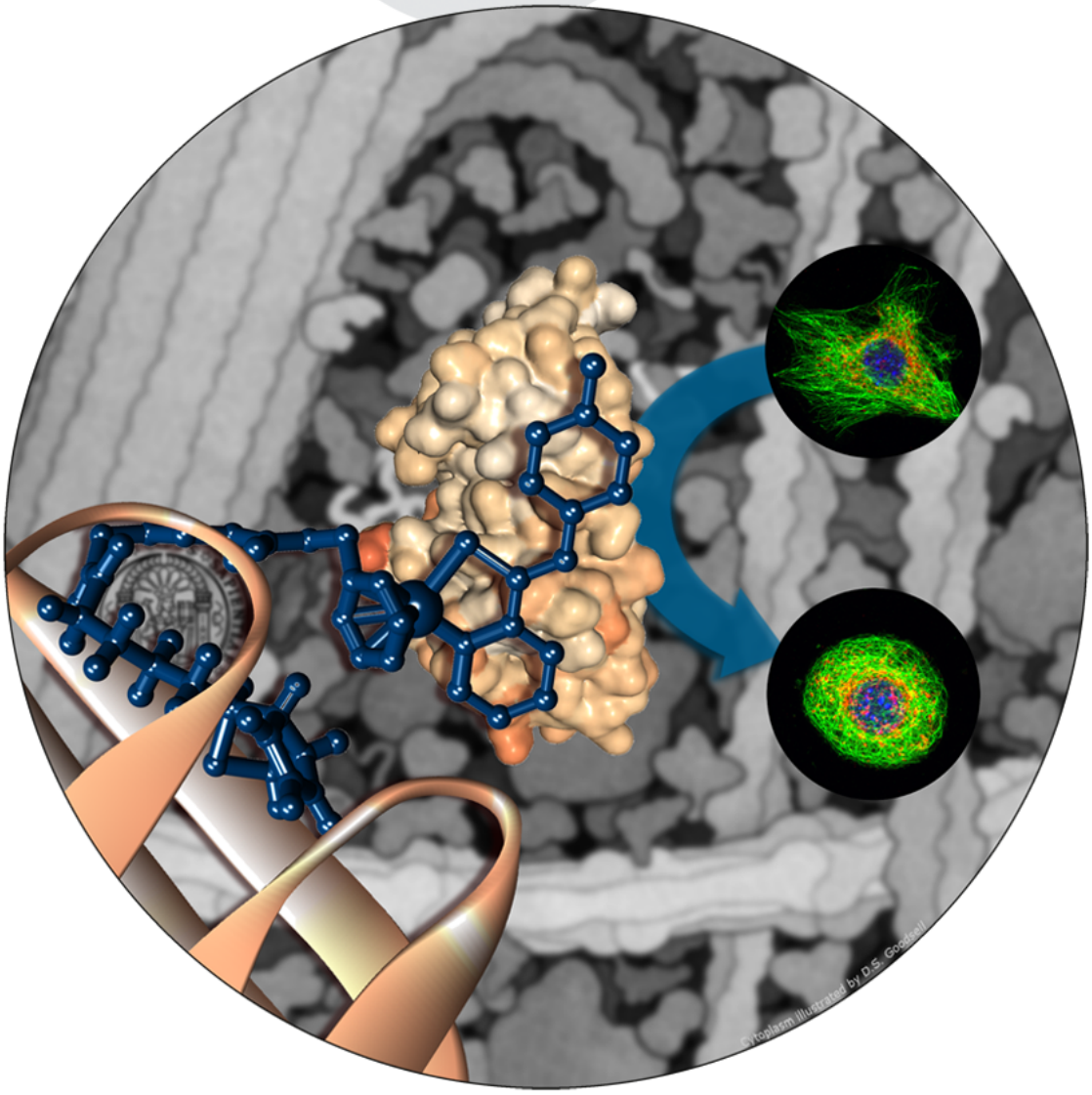

Metal-based anticancer agents are often designed as prodrugs with supposedly low selectivity. In contrast to this approach, in their Communication (http://doi.org/10.1002/anie.201702242), S. M. Meier, C. Gerner, and co-workers describe an unexpected target selectivity of an organometallic ruthenium(II) complex, obtained by a combination of proteomics-based methods, termed target-response profiling. Plectin was identified as the main cellular target. Plectin-targeting interferes with the microtubule network and thus may be harnessed as an anticancer strategy.

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