

Thorsten Berg

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**ChemBioNet-contribution:** Assay development, screening of chemical libraries, synthesis of potentially bioactive molecules

**Research interest:** Modulation of protein-protein interactions with small organic molecules

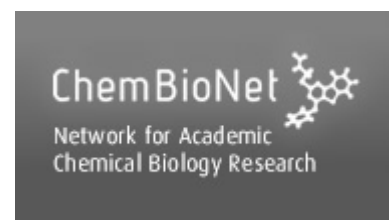
We explore the feasibility of modulating intracellular protein-protein interactions using cell-permeable organic molecules. These studies expand the target spectrum of small molecules and allow for alternative approaches to the inhibition of established small-molecule targets.

**Expertise:** assay development, small-molecule screens, synthetic organic chemistry, biochemistry, molecular biology, cell biology

**Equipment:** plate reader, small-molecule library

**Contact:** tberg@uni-leipzig.de

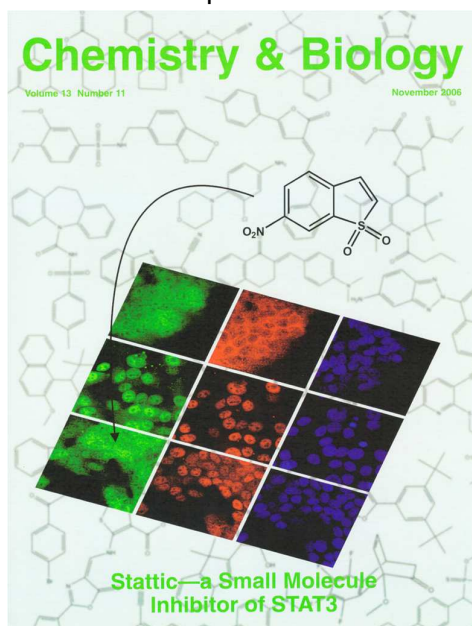
**Web:** <http://www.uni-leipzig.de/~organik/berg/index.html>



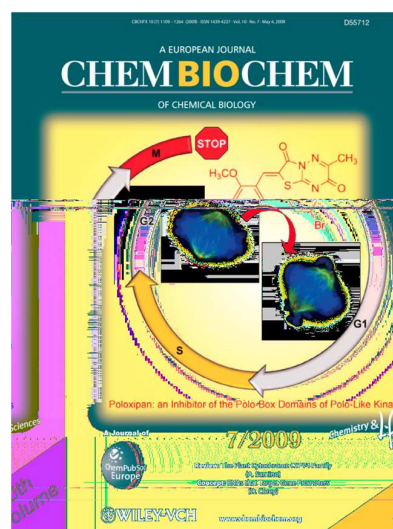
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### Modulation of protein-protein interactions with small organic molecules

Expanding the druggable proteome:  
Small-molecule inhibitors of  
transcription factors



Alternative approaches to the inhibition of enzymes:  
Small-molecule inhibitors of the  
polo-box domain of polo-like kinase 1



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