

Thomas U. Mayer

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ChemBioNet-contribution: ChemBioNet screening center on collaboration basis

Research interest: Small molecule approach to study mitosis in eukaryotic cells

We use small molecules to study the function of mitotic proteins in living cells. Particularly, we are interested in the function of mitotic kinesin. To identify appropriate small molecules we perform protein-based as well as cell-based screens.

Expertise: small molecule screening, protein-based screens, cell-based screens, microscopy

Equipment: liquid transfer robot, screening microscope, plate reader, small molecule library

Contact: Thomas.U.Mayer@uni-konstanz.de

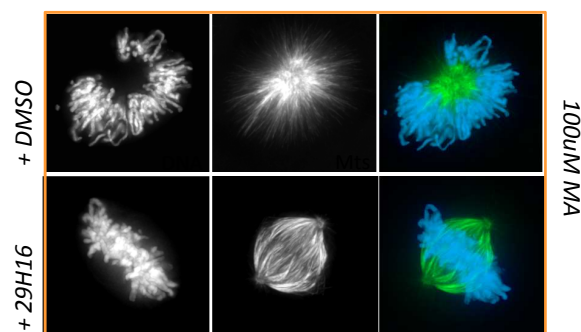
Web: <http://www.uni-konstanz.de/thomasmayer/>
<http://cms.uni-konstanz.de/screening-center/>



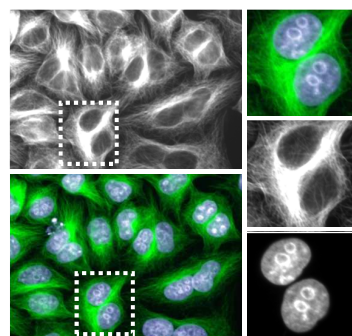
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small molecule approach to study mitosis

search for compounds that rescue the effect of monastrol



screen for cpds that inhibit cytokinesis



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