technische universität dortmund

Faculty for Chemistry and Chemical Biology, TU Dortmund
Otto-Hahn-Str. 6, 44227 Dortmund
Dr. Andreas Brunschweiger
Group leader „Medicinal Chemistry“
Tel: +49231-7557085
andreas.brunschweiger@
tu-dortmund.de

Dortmund, May 2017

The identification of bioactive drug-like small molecules is a crucial step in drug development programs. DNA-encoded libraries of small drug-like molecules have emerged as a validated compound screening technology for hit identification.
In the research group Brunschweiger, we develop synthesis methods for DNA-encoded libraries, we synthesize proof-of-concept libraries, and we use these libraries in collaboration with biologists to identify compounds that modulate disease-relevant proteins.

Currently, we offer a project for a

Master´s thesis

in the field of **DNA-encoded chemistry**.

The candidate shall explore catalysts that are immobilized on **magnetic nanoparticles** for the synthesis of DNA-encoded screening libraries.

Students, who are interested in this project, send their application including CV to andreas.brunschweiger@tu-dortmund.de

Dr. Andreas Brunschweiger