GESELLSCHAFT DEUTSCHER CHEMIKER

KOLLOQUIUM

Wintersemester 2019/2020

Titel	**Exploring heterogeneous systems for DNA-encoded library synthesis**
Vortragender	**Dr. Andreas Brunschweiger** *TU Dortmund, Fakultät CCB*
Abstract	DNA-encoded small molecule libraries offer a high-throughput platform for selection-based compound screening. Common solution-phase library synthesis is limited to few water-tolerant, DNA-compatible reactions, restricting chemical space coverage. Working in heterogeneous systems circumvents these limitations, and may facilitate translation of a broader scope of reactions. Two strategies, solid-phase encoded chemistry and micellar catalysis will be discussed. Newly developed reaction methodology was applied to the design of proof-of-concept encoded libraries, and computer-based statistics tools enabled identification of target protein binders from encoded library selection.
Ort	**Chemie, HS3 – Campus Nord, Otto-Hahn-Straße 6** Anfahrt: http://gdch.chemie.uni-dortmund.de
Zeit	***Mittwoch, 15.01.2020, 17.15 Uhr***

gez. Professor Dr. Daniel Rauh
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