PhD seminar: Synthetic chemistry applied to fragment library production and vaccine design

CURRICULUM VITAE

Mads H. Clausen

1 Short CV

Born November 28, 1974 in Copenhagen, Denmark, age 47. Married, 1 child (born September 2019)
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Academic degrees:

2002 Ph.D., Organic Chemistry, Technical University of Denmark – diploma date 17.02.2003
1999 M.Sc., Chemistry, Technical University of Denmark

Employment and affiliations:

2014–	Professor, DTU Chemistry & Center for Nanomedicine and Theranostics
2009–2013	Associate Professor, DTU Chemistry
2004–2008	Assistant Professor, DTU Chemistry
2002–2004	Postdoc, Dept. of Chemistry and Chemical Biology, Harvard University
2002	Visiting researcher, Centre for Plant Sciences, University of Leeds, UK
1999–2002	Graduate studies, DTU Chemistry.

2 Bibliometric data

104 research papers, 7 patents filed, 24 peer-reviewed conference proceedings and 3 Danish research articles. Average citations per article: 45.9, H-index: 31 (Google Scholar). ORCID ID: 0000-0001-9649-1729

3 Selected recent publications

104. Shanina E, Kuhaudomlarp S, Siebs E, Fuchsberger FF, Denis M, Gomes PdSFC, Clausen MH, Seeberger PH, Rognan D, Titz A, Imberty A, Rademacher C. Metal Binding Pharmacophores as Inhibitors of Carbohydrate-Protein Interactions. *Commun. Chem.* **2022**, *5*, 64.

101. Lee S-W, Tran KT, Vazquez-Uribe R, Gotfredsen CH, Clausen MH, Mendez BL, Montoya G, Bach A, Sommer MOA. Identification and Optimization of Novel Small-molecule Cas9 Inhibitors by Cell-based High-throughput Screening. *J. Med. Chem.* **2022**, *65*, 3266–3305.

95. Lundquist KP, Panchal V, Gotfredsen CH, Brenk R, Clausen MH. Fragment-based drug discovery for RNA targets. *ChemMedChem* **2021**, *16*, 2588–2603.

85. Troelsen NS, Clausen MH. Library Design Strategies to Accelerate Fragment-Based Drug Discovery. *Chem. Eur. J.* **2020**, *26*, 11391–11403.

82. Troelsen NS, Shanina E, Gonzales-Romero D, Danková D, Jensen ISA, Sniady KJ, Nami F, Zhang H, Rademacher C, Cuenda A, Gotfredsen CH, Clausen MH. The 3F Library: Fluorinated Fsp3-rich Fragments for Expeditious 19F-NMR-based Screening. Angew. Chem. Int. Ed. 2020, 59, 2204–2210.