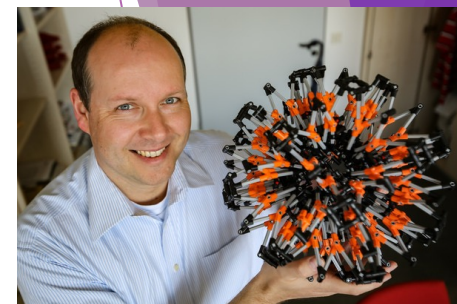


Supramolecular Chemistry Seminar

Prof. Dr. Guido Clever

(TU Dortmund, Germany)



June 4th (Wed), 15:00~16:30

Room: Adv. Res. Build. B 0112 (総合研究棟B 0112室)

From Heteroleptic Coordination Cages to Complex Molecular Systems

Advanced self-assembly strategies enable the targeted synthesis of supramolecular systems and materials with increasing structural and functional complexity. To combine different functionalities in the same structure, we develop non-statistical assembly strategies based on “shape complementary assembly” (SCA), “coordination sphere engineering” (CSE) and “adjacent backbone interactions” (ABI).[1] With a focus on multi-chromophore systems,[2] we investigate the suitability of modular assemblies for light-induced charge separation, vectorial excitation transport and as potential photo-redox catalysts.

[1] Pullen, S.; Tessarolo, J.; Clever, G. H. *Chem. Sci.* **2021**, 12, 7269.

[2] Regeni, I.; Chowdhury, R.; Terlinden, K.; Horiuchi, S.; Holstein, J. J.; Feldmann, S.; Clever, G. H. *Angew. Chem. Int. Ed.* **2023**, 62, e202308288.



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