

Research Project

NCCR MolSysEng: Hierarchical Assembly of Multifunctional Interfaces

Third-party funded project

Project title NCCR MolSysEng: Hierarchical Assembly of Multifunctional Interfaces

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Organisation / Research unit

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Department

Project Website http://www.nccr-mse.ch/en/no_cache/research/projects-detail/project/hierarchical-assembly-of-multifunctional-interfaces/

Project start 01.07.2014

Probable end 30.06.2018

Status Completed

In its second year, the **Work Package 1** project 'Hierarchical Assembly of Multifunctional Interfaces' has followed two directions, the second initiated after ideas arising from discussions at the Fellows' Retreat in 2015. The first doctoral project has continued with the theme of sensitizers incorporating light-harvesting antennae inspired by Nature, and detailed photophysics in collaboration with the Wenger group (**Work Package 1**) have led to a recently submitted manuscript (see below). The second project has utilized a 'surfaces-as-ligands' strategy to produce nanoparticulate surfaces templated for the organized assembly of vesicles (in collaboration with the Palivan group (**Work Package 3**)).

Financed by

Swiss National Science Foundation (SNSF)

Add publication

Published results

3160584, Klein, Y. Maximilian; Prescimone, Alessandro; Constable, Edwin C.; Housecroft, Catherine E., Manipulating connecting nodes through remote alkoxy chain variation in coordination networks with 4''-alkoxy-4,2'':6'',4''-terpyridine linkers, 1466-8033, CrystEngComm, Publication: JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

3198447, Klein, Y. M.; Prescimone, A.; Constable, E. C.; Housecroft, C. E., 2-Dimensional networks assembled using 4'-functionalized 4,2':6',4''-terpyridines and Co(NCS)₂, 0277-5387 ; 1873-3719, Polyhedron, Publication: JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

3025104, Hostettler, Nik; Wright, Iain A.; Bozic-Weber, Biljana; Constable, Edwin C.; Housecroft, Catherine E., Dye-sensitized solar cells with hole-stabilizing surfaces: "inorganic" versus "organic" strategies, 2046-2069, RSC advances, Publication: JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

3135238, Brauchli, Sven Y.; Malzner, Frederik J.; Constable, Edwin C.; Housecroft, Catherine E., Copper(I)-based dye-sensitized solar cells with sterically demanding anchoring ligands : bigger is not always better, 2046-2069, RSC advances, Publication: JournalArticle (Originalarbeit in einer wissenschaftlichen Zeitschrift)

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