Curriculum Vitae

Prof. Dr. Andreas Hennig

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Education and Professional Experience

2020 – now	*Professor for Organic Chemistry*	Universität Osnabrück
2014 – 2020	*Habilitation and Venia Legendi* (Prof. Dr. W. M. Nau)	Jacobs University Bremen
2009 – 2013	*Senior Scientist* (Dr. U. Resch-Genger)	Bundesanstalt für Materialforschung und -prüfung
2007 – 2009	*Postdoc* (Prof. Dr. S. Matile)	L'Université de Genève
2004 – 2007	*PhD in Chemistry* (Prof. Dr. W. M. Nau)	Jacobs University Bremen
1998 – 2004	*Diplom (Chemie)* (Prof. Dr. S. Schulz)	TU Braunschweig

Awards and Honors

2016 – present	Member of "RSC Advances Reviewer Panel"
2011	Start-up grant "DFG Excellence Academy for Medical Engineering"
2004 – 2007	PhD fellowship F. Hoffmann-La Roche AG
2001 – 2004	Member of "Studienstiftung des deutschen Volkes"
2001	Award of "Freunde des Instituts für Organische Chemie"
1997	Förderpreis des Gymnasium Groß Ilsede
1993	Dr.-Mya-Tha Memorial Award

Research Interests

Our research is multidisciplinary and involves organic synthesis, supramolecular chemistry, optical spectroscopy, and nanomaterials. Our keen interest is the design and synthesis of supramolecular functional systems that reliably work in complex environments, for example, biofluids, membranes, cells, tissues, and on (nano)surfaces. Our goal is to improve applications in bioanalytics, materials science, drug discovery, and molecular imaging by supramolecular chemistry.

Recent Key Publications (total: >60; >2200 citations; h-index: 23)

- A. Barba-Bon, Y.-C. Pan, F. Biedermann, D.-S. Guo, W. M. Nau, A. Hennig, Fluorescence Monitoring of Peptide Transport Pathways into Large and Giant Vesicles by Supramolecular Host-Dye Reporter Pairs, *J. Am. Chem. Soc.* **2019**, *141*, 20137–20145.
- S. Zhang, Z. Dominguez, K. I. Assaf, M. Nilam, T. Thiele, U. Pischel, U. Schedler, W. M. Nau, A. Hennig, Precise Supramolecular Control of Surface Coverage Densities on Polymer Micro- and Nanoparticles, *Chem. Sci.* **2018**, *9*, 8575-8581.
- S. Peng, A. Barba-Bon, Y.-C. Pan, W. M. Nau, D.-S. Guo, A. Hennig, Phosphorylation-Responsive Membrane Transport of Peptides, *Angew. Chem. Int. Ed.* **2017**, *56*, 15742-15745.
- M. Schnurr, J. Sloniec-Myszk, J. Döpfert, L. Schröder, A. Hennig, Supramolecular assays for mapping enzyme activity by displacement-triggered change in hyperpolarized ^{129}Xe magnetization transfer NMR, *Angew. Chem. Int. Ed.* **2015**, *54*, 13444-13447.
- A. Vargas Jentzsch, A. Hennig, J. Mareda, S. Matile, Synthetic Transporters that Work with Anion-pi Interactions, Halogen Bonds and Anion-Macrodipole Interactions, *Acc. Chem. Res.* **2013**, *46*, 2791-2800.

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