

Professor Karsten Mäder



Professor Karsten Mäder is the head of the Department of Pharmaceutics and Biopharmaceutics at the Institute of Pharmacy at the Martin-Luther-University Halle-Wittenberg in Germany. He studied Pharmacy at the Humboldt-University in Berlin from 1986-90. After completion of his Diploma and PhD at the same place he was a DAAD Postdoc scholar at the Dartmouth Medical School (NH, USA) in 1994/95. In 1996/97 Karsten returned to the Humboldt University Berlin and received a Habilitation scholarship from the German Research Foundation DFG. After his Habilitation he worked as a scientist at the Philipps-University Marburg (1997/98) and at the Free University Berlin (1998/2000). Karsten worked in the Pharmaceutical Industry in Switzerland from 2000-2003. Since 2003 he is Full Professor of Pharmaceutics at the Martin-Luther-University Halle-Wittenberg.

His main research areas include polymer- and lipid based nano-drug delivery systems, in vitro and in vivo characterization of DDS by non-invasive ESR- NMR-spectroscopy and Imaging and Optical Imaging, but also controlled release dosage forms, and the enhancement of oral bioavailability. He published around 100 papers, several book chapters and patents. He works as an editor for the European Journal of Pharmaceutics and Biopharmaceutics and also as a member of the editorial board of the Journal of Controlled Release. He received several awards, including the Scheele-award of the German Pharmaceutical Society, the CRS - Capsugel award for innovative aspects in controlled drug release, the Young Investigator Award of the International EPR society, the 1. Prize "Pharma Technik"- award of the Bundesverband der Arzneimittelhersteller, and the APV Research Award for Outstanding Achievements in the Pharmaceutical Sciences. Karsten works as a member of the scientific advisory board for the Controlled Release society and is currently President of the CRS local chapter in Germany.

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Selected References and Background Reading

Reviews

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Paper

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11. A. Besheer, G. Hause, J. Kressler, K. Mäder: Hydrophobically Modified Hydroxyethyl Starch: Synthesis, Characterization, and Aqueous Self-Assembly into Nano-Sized Polymeric Micelles and Vesicles. *Biomacromolecules* **8**, 359-367 (2007).