

## Publikationsliste

Diese Dissertation wurde in Teilen in den folgenden Publikationen veröffentlicht:

### **Buchkapitel:**

Müller, R. H., Souto E. B., Göppert, T. M., Gohla S., Production of biofunctionalized solid lipid nanoparticles (SLN<sup>®</sup>) for site-specific drug delivery, in: Kumar, C. (Ed.), Nanofabrication towards biomedical applications - Biofunctionalization of nanomaterials, Wiley, 2005.

Müller, R. H., Göppert, T. M., Protein adsorption patterns on parenteral lipid formulations - key factor determining the in vivo fate, in: Wasan, K. (Ed.), Role of Lipids in Modifying Parenteral Drug Delivery, in Vorbereitung, 2006.

### **Begutachtete Publikationen:**

Göppert, T. M., Müller, R. H., Plasma protein adsorption of Tween 80- and poloxamer 188-stabilized SLN, J. Drug Target. 11 (4), 225-231, 2003.

Göppert, T. M., Müller, R. H., Alternative sample preparation prior to two-dimensional electrophoresis protein analysis on solid lipid nanoparticles: development of optimized sample preparations method, Electrophoresis 25 (1), 134-140, 2004.

Göppert, T. M., Müller, R. H., Polysorbate-stabilized solid lipid nanoparticles as colloidal carriers for intravenous targeting of drugs to the brain: Comparison of plasma protein adsorption patterns, J. Drug Target. 13 (3), 179-187, 2005.

Göppert, T. M., Müller, R. H., Protein adsorption patterns on poloxamer- and poloxamine-stabilized solid lipid nanoparticles (SLN), Eur. J. Pharm Biopharm. 60 (3), 361-372, 2005.

Göppert, T. M., Müller, R. H., Adsorption kinetics of plasma proteins on poloxamer 407- and poloxamine 908-stabilized SLN, Int. J. Pharm., im Druck, 2005.

Gessner, A., Paulke, B.-R., Göppert, T. M., Müller, R. H., Protein rejecting properties of PEG-grafted nanoparticles: Influence of PEG-chain length and surface density evaluated by two-dimensional electrophoresis and bicinchoninic acid (BCA)-protein assay, *Die Pharmazie*, im Druck, 2005.

Leyke, S., Köhler-Sokolowska, W., Presber, W., Paulke, B.-R., Göppert, T. M., Müller, R. H., Improved effect of Nanoparticles on cells infected by *Toxoplasma gondii* after coating with serum proteins, in Vorbereitung, 2005.

**Proceeding:**

Göppert, T. M., Müller, R. H., Souto E. B., Comparison of plasma protein adsorption patterns on solid lipid nanoparticles (SLN) for intravenous drug targeting dependent on their age, *Controlled Release Society 32nd Annual Meeting and Exposition*, Miami, 2005.

**Abstracts:**

Göppert, T. M., Müller, R. H., Separation of solid lipid nanoparticles (SLN) from plasma by gel filtration and establishment of analytical procedure, *AAPS Annual Meeting and Exposition*, Salt Lake City, M1198, 2003.

Göppert, T. M., Müller, R. H., Solid lipid nanoparticles (SLN) for intravenous drug targeting: comparison of plasma protein adsorption patterns on different SLN detected by two-dimensional polyacrylamide gel electrophoresis (2-D PAGE), *AAPS Annual Meeting and Exposition*, Salt Lake City, M1002, 2003.

Göppert, T. M., Müller, R. H., Influence of different lipids on plasma protein patterns of solid lipid nanoparticles, *AAPS Annual Meeting and Exposition*, Baltimore, 2004.

Zillies, J. C., Coester, C., Göppert, T. M., Müller, R. H., Plasma protein adsorption patterns on gelatin nanoparticles, *AAPS Annual Meeting and Exposition*, Nashville, accepted, 2005.