

Name: Stefan Reinicke  
Date of birth: 18.12.1981  
Affiliation: Fraunhofer IAP, Potsdam-Golm

#### Education and Professional Experience

Aug. 2014 – present	PostDoc at DWI e.V., Aachen / Fraunhofer IAP, Potsdam-Golm (Prof. Alexander Böker)
July 2013 – June 2014	Employee R&D at Panadur GmbH, Halberstadt
May 2011 – Apr. 2013	PostDoc at University of Ghent, Ghent, Belgium (Prof. Filip Du Prez)
Nov. 2006 – Sept. 2010	PhD studies at University of Bayreuth, Bayreuth (Prof. Axel Müller); Macromolecular Chemistry
Oct. 2005 – Oct. 2006	Diploma studies at Martin-Luther-University Halle-Wittenberg, Halle (Saale) (Prof. Manfred Arnold)
Oct. 2001 – Oct. 2006	Studies of chemistry at Martin-Luther-University Halle-Wittenberg, Halle (Saale)

#### Fellowships

May 2012 – Apr. 2013      DAAD PostDoc-Fellowship

#### Research Expertise

Polymer synthesis by controlled polymerization (ATRP, RAFT, anionic polymerization) - Post polymerization modification – Functional and stimuli responsive polymers and hydrogels - Protein/polymer conjugates by grafting-from and grafting-to - Protein/polymer hybrid Langmuir films – chemical modification of proteins – enzyme immobilization

#### Selected Publications

##### a) Publications with peer review

- Zhang, S.; Bisterfeld, C.; Bramski, J.; Vanparijs, N.; De Geest, B. G.; Pietruszka, J.; Böker, A.; **Reinicke, S.** “Biocatalytically Active Thin Films via Self-Assembly of 2-Deoxy-D-ribose-5-phosphate Aldolase–Poly(*N*-isopropylacrylamide) Conjugates“ *Bioconjugate Chemistry*, **2018**, 29, 104.
- **Reinicke, S.**; Rees, H. C.; Espeel, P.; Vanparijs, N.; Bisterfeld, C.; Dick, M.; Rosencrantz, R. R.; Brezesinski, G.; de Geest, B. G.; Du Prez, F. E.; Pietruszka, J.; Böker, A. „Immobilization of 2-Deoxy-D-ribose-5-phosphate Aldolase in Polymeric Thin Films via the Langmuir-Schaefer Technique“ *ACS Appl. Mater. Interfaces*, **2017**, 9, 8317.
- Chen, Y.; Espeel, P.; **Reinicke, S.**; Du Prez, F. E.; Stenzel, M. H. “Control of Glycopolymer Nanoparticle Morphology by a One-Pot, Double Modification Procedure Using Thiolactones” *Macromol. Rapid Commun.* **2014**, 35, 1128.
- Belbekhouche, S.; **Reinicke, S.**; Espeel, P.; Du Prez, F. E.; Eloy, P.; Dupont-Gillain, C.; Jonas, A. M.; Demoustier-Champagne, S.; Glinel, K. “Polythiolactone-Based Redox-Responsive Layers for the Reversible Release of Functional Molecules” *ACS Appl. Mater. Interfaces*, **2014**, 6, 22457.
- **Reinicke, S.**; Espeel, P.; Stamenovic, M. M.; Du Prez, F. E. “Synthesis of multi-functionalized hydrogels by a thiolactone-based synthetic protocol” *Polym. Chem.* **2014**, 5, 5461.

- **Reinicke, S.**; Espeel, P.; Stamenović, M. M.; Du Prez, F. E. “One-Pot Double Modification of p(NIPAAm): A Tool for Designing Tailor-Made Multiresponsive Polymers” *ACS Macro Lett.*, **2013**, 2, 539.
- **Reinicke, S.**; Schmalz, H. “Combination of living anionic polymerization and ATRP via ‘click’ chemistry as a versatile route to multiple responsive triblock terpolymers and corresponding hydrogels” *Colloid Polym. Sci.* **2011**, 289, 497.
- **Reinicke, S.**; Döhler, S.; Tea, S.; Krekhova, M.; Messing, R.; Schmidt, A. M.; Schmalz, H. “Magneto-responsive hydrogels based on maghemite/triblock terpolymer hybrid micelles” *Soft Matter*, **2010**, 6, 2760.
- **Reinicke, S.**; Schmelz, J.; Lapp, A.; Karg, M.; Hellweg, T.; Schmalz, H. “‘Smart’ hydrogels based on double responsive triblock terpolymers” *Soft Matter*, **2009**, 5, 2648.
- Ah Toy, A.; **Reinicke, S.**; Müller, A. H. E.; Schmalz, H. “One-Pot Synthesis of Polyglycidol-Containing Block Copolymers with Alkylolithium Initiators Using the Phosphazene Base *t*-BuP4” *Macromolecules* **2007**, 40, 5241.