

## Curriculum Vitae

### Personal Details

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Name: Bernhard Volkmar Konrad Jakob Schmidt

Date of birth and place: 22.01.1984 / Hanau, Germany

Nationality: german

### Work Experience

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01/2015 – present **Group Leader** in the department of Prof. Markus Antonietti  
Max-Planck-Institute of Colloid- and Interfaces Potsdam/Golm,  
Germany Prof. Markus Antonietti

- Supervision of 4 PhD students 2 PostDocs, 1 technician and visitors

11/2013 – 12/2014 **Post Doc** in the group of Prof. Craig J. Hawker  
Materials Research Laboratory University of California Santa Barbara,  
USA

06/2010 - 09/2013 **Scientific Coworker** in the group of Prof. Christopher Barner-Kowollik  
Karlsruhe Institute of Technology, Germany

01/2010 – 03/2010 **Complementary Scientist** in the group of Dr. habil. Jean-François Lutz  
Fraunhofer Institute for Applied Polymer Research Potsdam/Golm,  
Germany

10/2009 - 12/2009 **Internship** in the group of Dr. habil. Jean-François Lutz  
Fraunhofer Institute for Applied Polymer Research Potsdam/Golm,  
Germany

### Education

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07/2013 Graduation as **Dr. rer. nat.**  
Karlsruhe Institute of Technology, Germany

06/2010 - 07/2013 **Ph.D. Studies** Supervisor: Prof. Barner-Kowollik  
Karlsruhe Institute of Technology, Germany

- Topic: Novel Macromolecular Architectures via a Combination of Cyclodextrin Host/Guest Complexation and RAFT Polymerization

- 09/2009                      Graduation as **Diplom-Ingenieur**  
Technical University Darmstadt, Germany
- 10/2004 - 09/2009      **Studies of Chemistry**  
Technical University Darmstadt, Germany
- Main subject: Macromolecular Chemistry (Prof. Rehahn)
  - Minor subject: Technical Chemistry (Prof. Vogel)
- Diploma Thesis** in Macromolecular Chemistry Supervisor: Prof. Rehahn
- Topic: Synthesis of End Functionalized Poly(*N*-Vinylcarbazole)s via Controlled Radical Polymerization

## **Skills**

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**Languages:** German (native speaker), english (fluent), french (basic)

**Scientific:** Controlled radical polymerization (RAFT, ATRP, NMP), anionic polymerization, cationic polymerization, nano particle formation, supramolecular chemistry, multi-step organic synthesis, structure elucidation and physical properties (NMR, MS, IR, SEC, UV/VIS, DLS, TGA, DSC, TEM), supervision of NMR und SEC instruments

**Teaching:** Supervision of student thesis projects in polymer research (bachelor students, diploma students und PhD students), supervision of students in organic chemistry lab courses (bachelor/master student level), lectures in a lecture series at the University of Potsdam (Structure formation in colloidal systems and Colloidal phenomena), substitute in lecture at the University of Potsdam (Polymer chemistry II), organization of the method seminar for PhD students

## **Awards, Fellowships and Funding**

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2010 Anton-Keller-Award of the Chemistry Faculty at the Technical University Darmstadt

2013-2014 Post Doc Fellowship of the German Academic Exchange Service (DAAD)

2014 Springer Theses Award

2016 Materials Allowance of the Fonds der Chemischen Industrie

2017 Attendance Scholarship Lindau Nobel Laureate Meeting

## **Miscellaneous**

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Journal Referee: Chemical Reviews, Acta Biomaterialia, Green Chemistry, ACS Applied Materials and Interfaces, Chemical Communications, Chemistry – A European Journal, Macromolecules, Polymer Chemistry, Macromolecular Rapid Communications, ACS

Sustainable Chemistry & Engineering, Journal of Polymer Science: Part A, European Polymer Journal, Macromolecular Chemistry and Physics, Journal of Polymer Engineering, Materials Chemistry and Physics, Polymer International, Journal of Polymers and the Environment, Beilstein Journal of Organic Chemistry.

Referee for Organisations: Deutsche Forschungsgemeinschaft (DFG, German Science Foundation)

36 peer-reviewed publications, 3 reviews/feature articles, 4 non peer-reviewed articles/highlights, 2 book chapters, 1 book and 6 poster presentations

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