Curriculum Vitae

Name

Friederike Schmid, German
*23 April 1966, two children, born 2007 (twins)

Position/Title

University professor(W3 level), Johannes Gutenberg University of Mainz

Address

Institute of Physics
Johannes Gutenberg University (JGU) Mainz
Staudingerweg 7-9
55128 Mainz
Phone +49 (6131) 3920365
e-mail schmidfr@uni-mainz.de
Webpage http://www.komet1.physik.uni-mainz.de/

Education/Training

1997	Habilitation in Theoretical Physics, JGU Mainz
1992–94	Postdoctoral: University of Washington, USA (Schick)
1989-91	Ph.D. Physics, JGU Mainz (Binder).
1984-89	Diploma in Physics, Universities of Heidelberg and Munich (LMU)

Employment/Experience

2008–	University Professor (W3 level), Theoretical Physics. JGU Mainz
2000–09	University Professor (C4 level), Theoretical Physics, University of Bielefeld
1999-00	Junior group leader (C3 level), Max Planck Institute for Polymer Research, Mainz
1998	Heisenberg fellow
1994-98	Scientific assistant: JGU Mainz (Binder)

Honors, Awards, Scholarships

Since 2010	Senior member of the Gutenberg Academy, JGU Mainz
2007	JSPS fellowship from the Japanese Society for the Promotion of Science (not used due to pregnancy)
2003	Karl Peter Grotemeyer award for excellent teaching
1998	Gerhard Hess Award of the German Science Foundation
1998	Heisenberg Fellowship
1985-1989	Fellowship of the “Studienstiftung des Deutschen Volkes”

Other Scientific Activities

Since 2017	Vice spokesperson of the Fachverband Biological Physics of the German Physical Society
Since 2016	Editor, Scientific Reports
Since 2014	Spokesperson of the Collaborative Research Center SFB TRR 146
Since 2016	Local Liaison professor of the “Evangelisches Studienwerk Villigst”
2008-2016	Elected “Fachkollegiatin” of the DFG
2007-14	Member of the Selection committee for the “Stern Gerlach medal” of the German Physical Society
2005-2009	Board member of the “Evangelisches Studienwerk Villigst”

10 Selected Publications

1. Qi, S., Klushin, L.I., Skvortsov, A.M., Liu, M., Zhou, J. and Schmid, F. (2018): Tuning transition properties of stimuli-responsive brushes by polydispersity, to appear in **Advanced Functional Materials**.
   Doi: 10.1002/adfm.201800745
2. Vu, G.T., Abate, A.A., Gomez, L.R., Pezzutti, A.D., Register, R. Vega, D.A. and Schmid, F. (2018): Curvature as a guiding field for patterns in thin block copolymer films. **Phys. Rev. Lett.** 121, 087801.
3. Jung, G., Hanke, M. and Schmid, F. (2017): Iterative reconstruction of memory kernels. **J. Chem. Theory and Comp.** 13, 2481.
4. Schmid, F. (2017): Physical mechanisms of micro- and nanodomain formation in multicomponent lipid membranes, **BBA Biomembranes** 1859, 509.
5. Toppozini, L, Meinhardt, S., Armstrong, C.L., Yamani, Y. Kuvcerka, N. Schmid, F. and & Rheinstädter, M. (2014): The structure of cholesterol in lipid rafts, **Phys. Rev. Lett.** 113, 228101.
6. Klushin, L.I., Skvortsov, A.M., Polotsky, A.A., Qi, S. and Schmid, F. (2014): Sharp and fast: Sensors and switches based on polymer brushes with adsorption-active minority chains, **Phys. Rev. Lett**. 113, 068303.
7. Meinhardt, S., Vink, R.L.C. and Schmid, F. (2013): Monolayer curvature stabilizes nanoscale raft domains in mixed lipid bilayers, **PNAS** 110, 4476.
8. West. B., Brown, F.L.H., and Schmid, F. (2009):Membrane-protein interactions in a generic coarse-grained model for lipid bilayers, **Biophys. J.** 96, 101.
9. He,X. and Schmid, F. (2008): Spontaneous formation of complex micelles from a homogeneous solution, **Phys. Rev. Lett**. 100, 137802.
10. Schmid F. (1998): Self-consistent field theories for complex fluids. **J. Phys.: Cond. Matter** 10, 8105.