

# Martin Brinkmann

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## Personal

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Name: Martin Brinkman  
Date of birth: 20. May 1970  
Place of birth: Berlin, Germany  
Nationality: German  
Marital status: married

## Education

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PhD (Dr. rer. nat) in Physics	April 2003
Potsdam University, Germany	
Advisor: Prof. Reinhard Lipowsky	
Thesis: Wetting of laterally structured substrates (in German)	
Diploma in Physics	October 1998
Free University of Berlin, Germany	
Advisor: Prof. Wolfgang Helfrich	
Thesis: Van der Waals interaction in lipid bilayers (in German)	

## Research experience

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Senior Researcher January 2009 - present  
Experintal Physics, Saarland University  
AG. Prof. R. Seemann

Group leader January 2005 - December 2014  
Max Planck Institute for Dynamics and Self-Organization  
Dept. Dynamics of Complex Fluids.

Post-doc/Research Associate May 2003 - December 2004  
Interdisciplinary Research Institute (IRI), Lille, France  
Principal Investigator: Prof. Ralf Blossey

## Selected publications

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- [1] P.S.H. Forsberg, C. Priest, and M. Brinkmann, *Pinning and wicking in regular pillar arrays C. Semprebon*, Soft Matter 10, 5739 (2014)
- [2] H.-J. Butt, C. Semprebon, P. Papadopoulos, D. Vollmer, M. Brinkmann, and M. Ciccotti, *Design principles for superamphiphobic surfaces*, Soft Matter 9, 418 (2013)
- [3] R. de Ruiter, J. de Ruiter, H.B. Eral, C. Semprebon, M. Brinkmann, and F. Mugele, *Bouyant Droplets on Functional Fibers*, Langmuir 28, 13300 (2012)
- [4] C. Semprebon, S. Herminghaus, and M. Brinkmann *Advancing modes on regularly patterned substrates*, Soft Matter 8, 6301 (2012)
- [5] R. Seemann, M. Brinkmann, T. Pfohl, and S. Herminghaus, *Droplet based microfluidics* (Review Article) Rep. Prog. Phys. 75, 016601 (2012)
- [6] H.B. Eral, J. de Ruiter, R. de Ruiter, J.M. Oh, C. Semprebon, M. Brinkmann, and F. Mugele, *Drops on functional fibers: from barrels to clamshells and back*, Soft Matter 7, 5138 (2011)

- [7] P.S.H. Forsberg, C. Priest, M. Brinkmann, R. Sedev, and J. Ralston, *Contact Line Pinning on Microstructured Surfaces for Liquids in the Wenzel State*, Langmuir 26, 860 (2010)
- [8] M. Scheel, R. Seemann, M. Brinkmann, S. Herminghaus, M. Di Michiel, B. Breidenbach, and A. Sheppard, *Morphological Clues to wet granular pile stability*, Nature Materials 7, 189 (2008)
- [9] R. Seemann, M. Brinkmann, E.J. Kramer, F.F. Lang, and R. Lipowsky, *Wetting morphologies at microstructured surfaces*, PNAS 6, 1848 (2005)
- [10] M. Brinkmann and R. Lipowsky, *Wetting morphologies on substrates with striped surface domains*, J. Appl. Phys. 92, 4296 (2002)