# CURRICULUM VITAE

## STEPHAN FÖRSTER

### 1. Personal Data:

**Date of Birth:** May 31, 1963

**Address** Forschungszentrum Jülich
JCNS-1
Wilhelm-Johnen-Straße
52428 Jülich, Germany
E-Mail: s.foerster@fz-juelich.de
Phone: +49 4261 85161
Web: http://www.fz-juelich.de/jcns/jcns-1

### 2. Curriculum vitae

#### Education

| | |
|---|---|
| 1989 | Diploma in Chemistry, University of Mainz. |
| 1992 | PhD at MPI for Polymer Research/University of Mainz. |
| 1999 | Habilitation at MPI for Colloid and Interface Science/University of Potsdam. |

#### Employment

| | |
|---|---|
| 1992 - 1993 | Post-doctoral Fellow at University of Minnesota, Minneapolis, U.S.A. |
| 1993 - 1999 | Staff Scientist at MPI for Colloid and Interface Science, Potsdam. |
| 2000 - 2010 | Professor (C4/W3), Physical Chemistry, University of Hamburg. |
| 2010 - 2017 | Professor (W3), Physical Chemistry, University of Bayreuth. |
| 2017 - | Director JCNS-1, Forschungszentrum Jülich |
| 2017 - | Professor (W3), Physcial Chemistry, RWTH Aachen University |
| 2018 – 2020 | Director, Maier-Leibnitz-Zentrum (MLZ), Garching |
| 2018 - | Director JCNS-4 at Forschungszentrum Jülich (Garching outstation) |

#### Selected Awards and Services

| | |
|---|---|
| 2010 | Honorary Guest Professor, University of Melbourne |
| 2012 | ERC Advanced Grant |
| 2014 – 2023 | Associate Editor, *Macromolecules* |
| 2015 | ERC Proof-of-Concept Grant |
| 2015/16 | Honorary Guest Professor, University of New South Wales, Sydney |
| 2016 - 2020 | Senate, German Science Foundation (DFG) |
| 2017 - | Vice-Chair, Board of Trustees of DWI Leibniz Institute, Aachen |
| 2024 | Chair of Associates, Institute-Laue-Langevin, Grenoble |
| 2024 - | Chemistry Review Board, German Science Foundation (DFG) |

## Selected Publications


S. Förster, A. Timmann, C. Schellbach, A. Frömsdorf, A. Kornowski, H. Weller, S. V. Roth, P. Lindner, Order causes secondary Bragg-peaks in soft materials*, Nat. Mater*. **6** (2007) 888.

C. Schliehe, B. H. Juarez, M. Pelletier, S. Jander, D. Greshnykh, M. Nagel, A. Meyer, S. Förster, A. Kornowski, C. Klinke, H. Weller, Ultra-thin PbS-sheets by two-dimensional oriented attachment*, Science* **329** (2010) 550.

S. Fischer, A. Exner, K. Zielske, J. Perlich, P. Lindner, W. Steurer, S. Förster, Colloidal quasicrystals with 12-fold and 18-fold symmetry*, Proc. Natl. Acad. Sci.* **108** (2011) 1810.

M. Trebbin, D. Steinhauser, J. Perlich, A. Buffet, S. V. Roth, W. Zimmermann, J. Thiele, S. Förster, Anisotropic particles align perpendicular to the flow-direction in narrow microchannels *Proc. Natl. Acad. Sci*. **110** (2013) 550-553.

S. Mehdizadeh Taheri, T. Friedrich, M. Michaelis, B. Förster, M. Drechsler, F. M. Römer, P. Bösecke, T. Narayanan, S. Rosenfeldt, B. Weber, I. Rehberg, S. Förster, Self-assembly of smallest magnetic nanoparticles*, Proc. Natl. Acad. Sci.* **112** (2015) 14484.

V. B. Leffler, L. Mayr, P. Paciok, H. Du, R. E. Dunin-Borkowski, M. Dulle, S. Förster, Controlled assembly of block copolymer coated nanoparticles in 2D arrays, *Angew. Chem. Int. Ed*. 131 (2019) 8629.

M. Laumann, W. Schmidt, A. Farutin, D. Kienle, S. Förster, C. Misbah, W. Zimmermann, Emerging attractor in wavy Poiseuille flows triggers sorting of biological cells, *Phys. Rev. Lett.* 122, (2019) 128002.

X. Liao, M. Dulle, J. M. de Souza e Silva, R. B. Wehrspohn, S. Agarwal, S. Förster, H. Hou, P. Smith, A. Greiner, High strength in combination with high toughness in robust and sustainable polymeric materials, *Science* **366** (2019) 1376.

E. Kostyurina, J. Allgaier, M. Kruteva, H. Frielinghaus, A. Csiszar, S. Förster, R. Biehl, Passive macromolecular translocation mechanism through lipid membranes, *J. Am. Chem. Soc*. 144 (2022) 15348.

J. Michalska-Walkowiak, B. Förster, S. Hauschild, S. Förster, Bistability, remanence, read/write memory, and logic gate function via a stimuli-responsive polymer, *Adv. Mater*. 34 (2022) 2108833.