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Marieke Schor

Life Sciences

Trainee Patent Attorney

Marieke Schor studied Molecular Sciences at Wageningen University and obtained her PhD in Computational Chemistry from the University of Amsterdam.

Subsequently, she carried out postdoctoral research before joining the technology transfer wing of the Soft Matter Physics group at the University of Edinburgh.

Marieke's main research interests included biopolymers, particularly self-assembling proteins. She has worked on both biological processes involving self-assembling biopolymers, as well as design and application of bio-inspired materials. More recently, she has investigated the use of biopolymers in food and personal care products. Marieke joined V. O. in August 2019.

Working experience

- 2019 – Trainee Patent Attorney, V. O.
- 2017 – Impact Acceleration Associate, Edinburgh Complex Fluids Partnership
- 2012 – Postdoctoral Researcher, University of Edinburgh
- 2011 – Postdoctoral Researcher, UK National Physical Laboratory

Education

- 2011 – PhD Computational Chemistry, University of Amsterdam
- 2007 – MSc Molecular Sciences, Wageningen University

Publications

- M. Schor*, E. Erskine*, R. J. Morris*, C. Earl, R. M. C. Gillespie, K. M. Bromley, T. Sukhodub, L. Clark, P. K. Fyfe, L. C. Serpell, N. R. Stanley-Wall and C. E. MacPhee: Formation of functional, non-amyloidogenic fibres by recombinant *Bacillus subtilis* TasA. *Mol. Microbiol.* (2018) 110, 897-913. shared first authors
- M. Schor*, S. Arnaouteli*, A. S. Ferreira*, R. J. Morris, K. M. Bromley, J. K. Jo, K. L. Cortez, T. Sukhodub, A. R. Prescott, L. E. P. Dietrich, C. E. MacPhee and N. R. Stanley-Wall: Bifunctionality of a biofilm matrix protein controlled by redox state. *Proc. Natl. Acad. Sci. USA* (2017) 114, E6184-E6191. shared first authors
- G. B. Brandani, S. J. Vance, M. Schor, A. Cooper, M. Kennedy, B. O. Smith, C. E. MacPhee and D. L. Cheung: Adsorption of the natural protein surfactant Rsn-2 onto liquid interfaces. *Phys. Chem. Chem. Phys.* (2017), 19, 8584-8594.
- G.B. Brandani, M. Schor, R. J. Morris, N.R. Stanley-Wall, C.E. MacPhee, D. Marenduzzo and U. Zachariae: The bacterial hydrophobin BsIA is a switchable ellipsoidal Janus nanocolloid. *Langmuir* (2015), 31, 11558-11563.
- R. Ni, S. Abeln, M. Schor, M.A. Cohen Stuart and P.G. Bolhuis: Interplay between folding and assembly of fibril-forming peptides. *Phys. Rev. Lett.* (2013), 111, 058101.
- M. Schor and P.G. Bolhuis: The self-assembly mechanism of fibril-forming silk-based block copolymers. *Phys. Chem. Chem. Phys.* (2011), 13, 10457-10467.

Languages

- Dutch
- English