

DR. CHIARA NETO - Curriculum Vitae et Studiorum (May 2010)

Dr. Chiara Neto received her Masters degree in Physical Chemistry in 1998 and her **PhD degree in 2001**, both under the supervision of **Prof. Piero Baglioni** at the University of Florence, Italy. She spent 15 months of her PhD at the Australian National University, working with **Dr. V.S.J. Craig** on boundary slip in Newtonian liquids (2000/2001). Neto has been employed by Solvay Italy s.p.A. for atomic force microscopy (AFM) studies (1998/1999) and she has been regularly engaged by CSGI (Consortium for the Development of Systems of Large Interface) as a consultant and for running the AFM facility at the University of Florence (1998/2002). In 2002 -2003 she worked as a **post-doc** in the group of **Prof. Karin Jacobs** at the Department of Applied Physics of the University of Ulm (Ulm, Germany) and at the Department of Experimental Physics, Saarland University (Saarbrücken, Germany). In Germany Neto worked on the stability and dynamics of thin polymer films. In July-September 2003, she was a visiting fellow at the Department of Chemistry of the University of Florence, working on the assembly of magnetic nanoparticles in a magnetic field. In October 2003 she took up her **Australian Research Council Postdoctoral Fellowship** (3 years) at the Australian National University for the research project "Nanorheology: Hydrodynamic Slip in Newtonian Fluids". Since April 2007 Neto is Lecturer in Physical Chemistry at **the University of Sydney**. Neto authored **28 refereed papers**, of which the following is a selection.

1. G. R. Willmott, C. Neto and S. C. Hendy
"An experimental study of microfluidic interactions between droplets and a nonwetting capillary"
Faraday Discussions, 146, 1-13 (2010).
2. K. R. Joseph, C. Neto;
"On the superhydrophobic properties of crystallised stearic acid"
Austr. J. Chem. 63, 525-528 (2010).
3. W. Sriprom, C. Neto, S. Perrier;
"Ultrafast photochromic nanopatterns from block copolymers"
Soft Matter 6, 909-914 (2010).
4. **C. Neto**, K.R. Joseph, W.R. Brant; "On the superhydrophobic properties of nickel nanocarpets"
Phys Chem Chem Phys 11, 9537 - 9544 (2009).
5. W. Sriprom, M. James, S. Perrier, C. Neto;
"Ordered Microphase Separation in Thin films of PMMA-PBA Synthesized by RAFT: Effect of Block Polydispersity",
Macromolecules, 42, 3138-3146 (2009).
6. **C. Neto**, M. James, AM Telford;
"On the Composition of the Top Layer of Microphase Separated Thin PS-PEO Films" *Macromolecules*, 42(13):4801-8 (2009).
7. **C. Neto**; "Micropatterning of proteins: a new approach using dewetting of polymer bilayers" *Phys. Chem. Chem. Phys.* **9**, 149-155 (2007).
8. **C. Neto**, D.R. Evans, E. Bonaccorso, H.-J. Butt and V.S.J. Craig; "Boundary Slip in Newtonian Liquids: a review of experimental studies" *Rep. Progr. Phys.* **68**, 2859-2897 (2005).