Curriculum vitae

Civil status

Name	Dirk (Pascal) Stratmann Born in Hamburg on 10 May 1979 Nationality: German and French
Address	Université Pierre et Marie Curie (UPMC) - Paris VI, IMPMC, UMR 7590 CNRS Campus Jussieu, Case courrier 115; 4, place Jussieu, 75252 Paris cedex 05 Tel: +33-(0)1 44 27 50 79 e-mail: dirk.stratmann@upmc.fr

Education

1999-2005	**Master studies in physics**, University of Hamburg, final mark: very good
2003-2004	**Master studies in molecular biophysics**, University Pierre&Marie Curie (Paris 6) final mark: good, rank: first of 18

Professional experience

2004-2008	**PhD** in «Interfaces between chemistry, physics and informatics with biology» Laboratoire de Chimie et Biologie Structurales (ICSN), CNRS, supervisors: Dr. Carine van Heijenoort and Dr. Eric Guittet
2004-2007	**Teaching experience** University Pierre et Marie Curie Teaching in geometrical optics and electrokinetics for bachelor students in physics; 64 hours of courses per year over three years ('Monitorat' in French).
2008-2010	**Post-doctorat**, NMR spectroscopy group, Utrecht University (The Netherlands), supervisors: Prof. Alexandre Bonvin and Prof. Rolf Boelens
2010-now	**Assistant professor in Physics and Bioinformatics,** University Pierre et Marie Curie, IMPMC, «Prédiction des structures protéiques (PSP)» group

Qualifications

Bioinformatics	Molecular modelling of protein-protein complexes, analyse graphs – graph matching, constraint processing, high-performance calculations, sub-domain protein fragments
Biophysics	Nuclear Magnetic Resonance (NMR): chemical shift (CS) prediction and their quantitative use for molecular docking. Use of CS, NOE and RDC data for automated assignment.
Physics	Teaching Numerical Physics
Programming	*Proficient* : C++, Python; *Basic knowledge* : Matlab, Mathematica, R, Unix scripts
Languages	*German* : native speaker, *French* : fluent, *English* : fluent

Publications

[1]   D. Stratmann, C. van Heijenoort, E. Guittet: «NOEnet-Use of NOE networks for NMR resonance assignment of proteins with known 3D structure», Bioinformatics 2009 25(4):474-481

[2]   D. Stratmann, E. Guittet, C. van Heijenoort: «Robust structure-based resonance assignment for functional protein studies by NMR», J. Biol. NMR 2010 46(2): 157-173.

[3]   D. Stratmann, R. Boelens, A. M. J. J. Bonvin: "Quantitative use of chemical shifts for the modeling of protein complexes", Proteins, vol. 79, no. 9, p. 2662-2670, sept. 2011