CURRICULUM VITAE

Robertus (Robbie) Petrus Joosten

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Date and Place of Birth:

16 June 1981, Brunssum, the Netherlands

Marital Status:

Married

Gender:

Male

Nationality:

Dutch

Work experience

Science	
June 2005 – now	PhD studies on macromolecular X-ray structure refinement and validation at the Centre for Molecular and Biomolecular Informatics, Nijmegen, the Netherlands under Prof. Dr. G.J. Vriend
Education	
September 2005 – now	Coordinator for the "Speur surfend in je genen" genomics and structural biology course (aimed at high school students). This entailed: course design, web design, teaching, workshops, seminars, and management activities. More information: www.bioinformatica-in-de-klas.nl and www.bioinformatics-at-school.eu
October 2004 - now	Organised numerous workshops at national teacher conferences
March 2003 – January 2005	Teaching assistant for several subjects at the Radboud University Nijmegen
Other	
October 2004	Migration of the CMBI website to a new content management system
July 9 – July 18, 2004	Guide for the Dutch team at the International Biology Olympiad in Brisbane, Australia

Publications

Robbie P. Joosten, Thomas Womack, Gert Vriend and Gérard Bricogne: "Re-refinement from deposited X-ray data can deliver improved models for most PDB entries" Acta Cryst. D65, p. 176-185 (2009)

Robbie P. Joosten, Gert Vriend: "PDB improvement starts with data deposition" Science, 317, p. 195-196 (2007)

Robbie P. Joosten, Glay Chinea, Gerard J. Kleywegt and Gert Vriend: "Validation of protein structure models" in *Comprehensive Medical Chemistry II, volume 3,* p. 507-530 Elsevier, Oxford, UK, (2007)

Brian J. Smith, Trevor Huyton, Robbie P. Joosten, Jennifer L. McKimm-Breschkin, Jian-Guo Zhang, Cindy S. Luo, Mei-Zhen Lou, Nikolaos E. Labrou and Thomas P. J.Garrett: "Structure of a calcium-deficient formof influenza virus neuraminidase: implications for substrate binding" Acta Cryst. D62, p. 947–952 (2006)

"Wegen zonder weegschaal: de massa van het elektron." in *Jong geleerd,* pp. 48-49, Stichting Weten, Amsterdam, December 2003

Education

University

October 2004 – April 2005	Internship at the biophysical chemistry department at the Radboud University, Nijmegen, the Netherlands under Dr. G. Vuister. Validation of NMR structures: evaluation of distance restraint calibration.
January 2004 – July 2004	Internship at WEHI, Melbourne, Australia under Dr. T. Garrett. X-ray crystallography: structure building, refinement, validation and docking.
September 2003 – January 2004	Internship at CMBI, Nijmegen, the Netherlands under Prof. Dr. G. J Vriend. Explorative research on X-ray validation using electron density maps in WHAT IF.
September 2000 – June 2005	Master's degree in General Science, a combination of physics, chemistry and biology, at the Radboud University of Nijmegen.

Courses

September 2007 - January 2008	Scientific journalism
October 2007	PhD school crystal and structure research
January 2008	CCP4 Study weekend
August 2003	Using WHAT IF and WHAT_CHECK

Language skills

Fluent in Dutch and English. Reasonable knowledge of German. Insight in French and other (Roman) languages.

Computer experience

Extensive experience in Microsoft Windows XP and previous versions. User experience with UNIX and Linux. Furthermore, I have user experience with the following software packages: WHAT IF, Yasara, xeasy, Sparky, CCP4, Coot, CNS, O, FTDOCK, Microsoft Office, SPSS, and Simulink. My knowledge of (X)HTML and CSS is good. Knowledge of FORTRAN and several scripting languages.
I also have extensive hardware knowledge of the x86 platform.

Achievements

July 1999	Bronze medallist at the International Biology Olympiad in Uppsala, Sweden
June 1999	Winner of the National Biology Olympiad at the University of Utrecht Twelfth place in qualifying round of National Chemistry Olympiad.
June 1998	Fourteenth place at National Biology Olympiad finals.
June 1996	Second place National Junior Biology Olympiad finals.

Interests, hobbies and other activities

My scientific interests are aimed at structure function relations in proteins. I have a general interest in exact science and the way it is perceived by the 'outside world'. Interest in education and the communication of science.
My major hobby is computers in almost any sense. This is the main reason why I chose a scientific direction in which computers are used for more than just word processing.
Nature is my second hobby. I spent a lot of time abroad in countries that have rich ecological sites like Australia and Indonesia.