

Louic S. Vermeer, PhD Biophysics

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SCIENCE

General: logical reasoning, scientific writing, presenting and explaining complex subjects simply or in great detail depending on the audience, precision, learning new things quickly and independently, working in and leading a small team, transferring my enthusiasm and passion to colleagues.

Methods: solid-state and solution NMR, spectroscopy (CD, static and dynamic light scattering, fluorescence, FT-IR, UV-VIS), statistics, data analysis and fitting, protein expression, general lab work.

Production: [16 scientific papers](#), h-index 8, >300 times cited.

COMPUTERS

Programming languages: Python (object oriented), Matlab, Octave, R, Bash. Also experience with C, C++, FORTRAN, PHP, Perl, Atmel assembler.

Big data: basic knowledge of Hadoop, map/reduce, SQL.

Web: HTML, CSS, W3C standards, PHP, basic knowledge of LAMP and AJAX.

Office: MS-office, Libreoffice, macro programming, L^AT_EX.

Other: good knowledge of Linux, hardware, software, and computer science in general.

TEACHING

- 2013-2016 Taught thermodynamics and nuclear magnetic resonance to undergraduate and graduate students. Supervised tutorial sessions.
- 2010-2013 Designed and delivered training courses to PhD students: *“Introduction to Statistics for (Bio)scientists”*, *“Further Statistics”*, and *“Introduction to Computer Programming with Python”*. Formal feedback from students was unanimously excellent (**5/5 stars**).

LANGUAGES

Nederlands: moedertaal (Ik woonde van geboorte tot MSc in Nederland).

English: fluently (I lived in the UK for 4 years, max score on TOEIC test).

Français: couramment (J'ai vécu en France pendant 6 ans).

Deutsch: nicht schlecht (Ich habe Deutsch in der Schule gelernt).

WORK EXPERIENCE

- 2013-2017 Post-doc at Université de Strasbourg, Membrane biophysics and NMR group.
- 2012-2013 Post-doc at University of Oxford, Department of biochemistry.
- 2009-2012 Post-doc at King's College London, Pharmaceutical biophysics group.
- 2006-2009 PhD Biophysics, **très honorable**, Marie Curie fellowship, Institut de pharmacologie et de biologie structurale, Toulouse.
- 1998-2006 MSc Molecular sciences, **9/9 score** for thesis, Wageningen university and research centre.
- 2001-2002 Board member of a large students association (full time volunteer for one year).

LIFELONG LEARNING (SELECTION OF COURSES)

- 2012-2017 Self-study of software engineering and programming: finished reading the standard works "*Code Complete*", "*Design Patterns*", "*K&R*", and more.
Online courses (Udacity, Coursera, Edx) at MSc. level, completed with distinction: computer science, principles of computing, machine learning, artificial intelligence, hadoop, differential equations, software engineering, statistics, and more.
- 2016 Aikido, 1st kyu.
- 2011 Designing and delivering a training course, King's College London.
- 2010 International training school on solid-state NMR, Leiden University.
Metabolic phenotyping in human disease diagnosis and personalised health care, Imperial College London.
- 2008 Mini MBA course: translating science into business, Danube University Krems.

REFERENCES

- Dr. A.J. Mason, King's College London, Pharmaceutical Science Division.
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- Prof. B. Bechinger, Université de Strasbourg, Institut de Chimie.
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- Prof. A. Watts, University of Oxford, Department of Biochemistry.
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