

CURRICULUM VITAE

Prof. Dr. Martin Hof, DSc.

Vice-Director at J. Heyrovský Institute of Physical Chemistry Academy of Sciences of the Czech Republic

born September 21, 1962 in Friedberg/Germany ; Permanent residenceship in the Czech Republic since 1996

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Family: Married to Mgr. Iveta Hofova, November 25, 1995
1 child, Maxim (born May 28, 1997)

Education and positions

Education:

- 1987 "Diplom-Chemicker" at the "Universität Würzburg"; ("with excellence (1.0)")
- 1990 Dissertation in Physical Chemistry at the "Universität Würzburg ("with excellence (1.0)")
- 1999 Habilitation at the "Faculty for Chemistry and Pharmacy" of the "Universität Würzburg".
- 2006 Defense of the Doctor of Science (DSc.) thesis, Academy of Sciences of the Czech Republic
- 2009 Full Professor for Physical Chemistry named by the President of the Czech R.

Professional positions:

- 2007- Vice-Director of the J. Heyrovský Institute of Physical Chemistry
- 2007-2012 Chairman of the Board of the J. Heyrovský Institute of Physical Chemistry
- 2006-2011 Coordinator of the Research Centre „Advanced Fluorescence Microscopy in Biosciences“
- 2006- Head of the newly founded Department of Biophysical Chemistry
- 2004-2006 Chairman of the Scientific Board of the J. Heyrovský Institute of Physical Chemistry
- 2001- Lecturer and PhD adviser at the Faculties of Nature Sciences of the Charles University Prague and of the Palacky University Olomouc, at the Faculty of Nuclear Sciences and Physical Engineering of the Czech technical University in Prague, and at the Biological Faculty of the South Bohememnia University
- 2000- Senior Research Fellow at the J. Heyrovský Institute of Physical Chemistry;
- 1997-1999 Assistant Professor at the Julius-Maximilians-Universität Würzburg (Habilitation stipend)
- 1997-1999 Research Fellow at the J. Heyrovský Institute of Physical Chemistry
- 1996 Visiting scientist at the University of Patras, Greece
- 1993-1995 Visiting scientist (Habilitation stipend) at the Charles University Prague (Physical Chemistry)
- 1991-1993 "Postdoctoral Fellowship" at the "University of North Carolina at Chapel Hill (USA)" and University Würzburg

Fellowship awards

- 1991 Dissertation awarded by the “Unterfraenkische Gedenkjahresstiftung” as an outstanding bavarian dissertation
- 1987, 1991, 1993, 1997 Four Stipends: PhD (Fonds der Deutschen Chemischen Industrie), Post-Doc (Deutsche Forschungsgemeinschaft), and two Habilitation Stipends (Fonds der Deutschen Chemischen Industrie, Deutsche Forschungsgemeinschaft)
- 2007 Award of the AS CR for exceptionally successful solution of program and grant projects
- 2011 Praemium Academie by the AS CR (comparable to the Leibniz award in Germany).

Five most important publications

Jurkiewicz, P.;- Olżyńska, A.; Cwiklik, L.; Jungwirth, P.; Megli, F. M.; **Hof, M.** 2012 Biophysics of lipid bilayers containing oxidatively modified phospholipids: Insights from fluorescence and EPR experiments and from MD simulations. *Biochimica Et Biophysica Acta-Biomembranes*. 1818, 10, 2388-2402

Huranová, M.; Ivani, I.; Benda, A.; Poser, I.; Brody, Y.; **Hof, M.**; Shav-Tal, Y.; Neugebauer, K.; Stanek D. 2010 The differential interaction of snRNPs with pre-mRNA reveals splicing kinetics in living cells. *Journal of Cell Biology* 191, 75-86.

Jesenská, A.; Sýkora, J.; Olżyńska, A.; Brezovský, J.; Zdráhal, Z.; Damborský, J.; **Hof, M.** 2009. Nanosecond Time-Dependent Stokes Shift at the Tunnel Mouth of Haloalkane Dehalogenases, *Journal of the American Chemical Society* 131, 494-501.

Przybylo, M.; Sýkora, J.; Humpolíčková, J.; Benda, A.; Zan, A.; **Hof, M.** 2006. The lipid diffusion in giant unilamellar vesicles is more than two times faster than in supported phospholipid bilayers under identical conditions. *Langmuir* 22, 9096-9099.

Benda, A.; Beneš, M.; Mareček, V.; Lhotský, A.; Hermens, W.Th.; **Hof, M.** 2003. How to Determine Diffusion Coefficients in Planar Phospholipid Systems by Confocal Fluorescence Correlation Spectroscopy. *Langmuir* 19, 4120-4126.