

Robert L. Shoeman

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EDUCATION, TRAINING AND PROFESSIONAL EXPERIENCE

- 1970-1978 University of Oklahoma, Norman, Oklahoma, USA; BS ('72) and PhD ('78) in Zoology
- 1978-1982 Max Planck Institute for Cell Biology, Ladenburg, Germany; Post-doctoral Fellow
- 1983-1987 Roche Institute of Molecular Biology, Nutley, New Jersey, USA; Post-doctoral Fellow, Research Associate and Fellow
- 1985-1987 Department of Zoology and Physiology, Rutgers University (Newark Campus), Newark, New Jersey, USA; Coadjutant
- 1987-2003 Max Planck Institute for Cell Biology, Ladenburg, Germany; Research Fellow
- 2003- Max Planck Institute for Medical Research, Heidelberg, Germany; Departmental Group Leader at the Department of Biomolecular Mechanisms

AWARDS, HONORS AND SCIENTIFIC SERVICE

- 1970-1972 University Scholars Program, University of Oklahoma
- 1986-1987 Adjunct Assistant Professor, Department of Microbiology, University of Medicine and Dentistry of New Jersey, New Jersey Medical School. Newark, New Jersey, USA
- 1987-1988 Scientific Consultant, Roche Diagnostics, Nutley, New Jersey, USA
- 1997-2003 Scientific Staff Member, Biology and Medicine Section, Max Planck Society
- 1998-2003 Chemical Safety Officer, Max Planck Institute for Cell Biology, Ladenburg, Germany
- 1998-2003 Adjunct Director, Max Planck Institute for Cell Biology, Ladenburg, Germany
- 2003 Closing Manager, Max Planck Institute for Cell Biology, Ladenburg, Germany
- 2003- Safety Officer for the Department of Biomolecular Mechanisms, Max Planck Institute for Medical Research, Heidelberg, Germany

SELECTED PUBLICATIONS

- Shoeman, R.L., Höner, B., Stoller, T.J., Kesselmeier, C., Miedel, M.C., Traub, P. and Graves, M.C. (1990) Human immunodeficiency virus type 1 protease cleaves the intermediate filament protein vimentin, desmin and glial fibrillary acidic protein. *Proceedings of the National Academy of Sciences USA* 87, 6336-6340
- Lindner, R.; Lou, X.; Reinstein, J.; Shoeman, R. L.; Hamprecht, F. A.; Winkler, A. (2014) Hexicon 2: automated processing of hydrogen-deuterium exchange mass spectrometry data with improved deuteration distribution estimation. *Journal of the American Society for Mass Spectrometry* 25, pp. 1018 - 1028

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Schirò, G.; Woodhouse, J.; Weik, M.; Schlichting, I.; Shoeman, R. L. (2017): Simple and efficient system for photoconverting light-sensitive proteins in serial crystallography experiments. *Journal of Applied Crystallography* 50, pp. 932 - 939

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