

Robert L. Shoeman

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EDUCATION, TRAINING AND PROFESSIONAL EXPERIENCE

- 1970-1978 University of Oklahoma, Norman, Oklahoma
- 1978-1982 Max-Planck-Institute for Cell Biology, Post-doctoral Fellow, Ladenburg, Germany
- 1983-1987 Roche Institute of Molecular Biology, Post-doctoral Fellow, Nutley, New Jersey, Research Associate and Fellow
- 1985-1987 Department of Zoology and Physiology Coadjutant, Rutgers University (Newark Campus) Newark, New Jersey
- 1987-2003 Max-Planck-Institute for Cell Biology Research Fellow, Ladenburg, Germany
- 2003- Max-Planck-Institute for Medical Research, Group Leader 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
- Shoeman, R.L., Sachse, C., Höner, B., Mothes, E., Kaufmann, M. and Traub, P. (1993) Cleavage of human and mouse cytoskeletal and sarcomeric proteins by human immunodeficiency virus type 1 protease: actin, desmin, myosin and tropomyosin. *American Journal of Pathology* 142, 221-230
- Shoeman, R.L., Hüttermann, C., Hartig, R. and Traub, P. (2001) Amino-terminal polypeptides of vimentin are responsible for the changes in nuclear architecture associated with human immunodeficiency virus type 1 protease activity in tissue culture cells. *Molecular Biology of the Cell* 12, 143-154
- Wang, Q., Tolstonog, G.V., Shoeman, R. and Traub, P. (2001) Sites of nucleic acid binding in type I-IV intermediate filament subunit proteins. *Biochemistry* 40, 10342-10349
- Shoeman, R. L., Hartig, R., Hauses, C. and Traub, P. (2002) Organization of focal adhesion plaques is disrupted by action of die HIV-1 protease. *Cell Biol. Intern.* 26 (6), 529-539 (2002)

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
- 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- BMM Safety Officer, Max-Planck-Institute for Medical Research, Heidelberg,
Germany