



Department and function:
Director, Biophysical Chemistry

Education:

1986 PhD in Biochemistry, Heidelberg University
1999 Venia Legendi for Biochemistry and Biophysics, Heidelberg University

Positions:

1986 Research Associate, University of Michigan, USA
1987-1990 Postdoctoral Fellow, Stanford University, USA
1990-1996: Group Leader, National Institute for Medical Research, London, UK
1996-2002: Senior Group Leader, Max-Planck-Institute for Medical Research, Heidelberg
2002-: Professor of Biophysical Chemistry, MHH

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<http://www.bpc.mh-hannover.de/>

Major research interests:

Molecular motors
Regulation of dynamic changes in the cytoskeleton associated with cell movements and cytokinesis
G-protein mediated processes

Selected Publications:

Knetsch, M.L.W., Schäfers, N., Horstmann, H., Manstein, D. J. EMBO J 2001, 20: 1620-1629.
Klockow, B., Tichelaar, W., Madden, D., Niemann, H.H., Akiba, T., Hirose, K., Manstein, D.J. EMBO J 2002, 21: 240-250.
Krylyshkina, O., Manstein, D.J. et al. J. Cell Biol. 2003, 161: 853-859.
Reubold, T.F., Eschenburg, S., Becker, A., Kull, F.J., Manstein, D.J. Nature Struct. Bio 2003, 10: 826-830.
Tsiavaliaris G, Fujita-Becker S, Manstein DJ. Nature. 2004; 427(6974):558-61.
Fujita-Becker S, Durrwang U, Erent M, Clark RJ, Geeves MA, Manstein DJ. J Biol Chem. 2005; 280(7):6064-71
Reubold TF, Eschenburg S, Becker A, Leonard M, Schmid SL, Vallee RB, Kull FJ, Manstein DJ. Proc Natl Acad Sci U S A. 2005; 102(37):13093-8.
Durrwang U, Fujita-Becker S, Erent M, Kull FJ, Tsiavaliaris G, Geeves MA, Manstein DJ. J Cell Sci. 2006; 119(Pt 3):550-8.
Fujita-Becker S, Tsiavaliaris G, Ohkura R, Shimada T, Manstein DJ, Sutoh K. J Biol Chem. 2006;281(47):36102-9.
Fedorov R, Witte G, Urbanke C, Manstein DJ, Curth U. Nucleic Acids Res. 2006;34(22):6708-17.
Tsiavaliaris G, Fujita-Becker S, Durrwang U, Diensthuber RP, Geeves MA, Manstein DJ. J Biol Chem. 2008;283(8):4520-7.
Fedorov R, Böhl M, Tsiavaliaris G, Hartmann FK, Taft MH, Baruch P, Brenner B.