

Publikationsverzeichnis PD Dr. Nina Wittenmayer

Originalarbeiten mit Erst- oder Letztautorenschaft mit Peer-Review-Verfahren:

*Ahmed S, ***Wittenmayer N**, Kremer T, Hoeber J, Kiran Akula A, Urlaub H, Islinger M, Kirsch J, Dean C, Dresbach T. 2013. Mover is a homomeric phospho-protein present on synaptic vesicles. PLoS One. 28;8(5):e63474. *shared authorship

*Murk K, ***Wittenmayer N**, Michaelsen-Preusse K, Dresbach T, Schoenenberger CA, Korte M, Jockusch BM, Rothkegel M. 2012. Neuronal profilin isoforms are addressed by different signalling pathways. PLoS One. 7(3):e34167. *shared authorship

Wittenmayer N, Korber C, Liu H, Kremer T, Varoqueaux F, Chapman ER, Brose N, Kuner T, Dresbach T (2009) Postsynaptic Neuroligin1 regulates presynaptic maturation. Proc Natl Acad Sci 106:13564-13569.

Wittenmayer N, Jandrig B, Rothkegel M, Schlüter K, Arnold W, Haensch W, Scherneck S, Jockusch BM (2004) Tumor suppressor activity of profilin requires a functional actin binding site. Mol Biol Cell 15(4):1600-8.

Wittenmayer N, Rothkegel M, Jockusch BM, Schlüter K (2000) Functional characterisation of green fluorescent protein-profilin fusion proteins. Eur J Biochem 267(16):5147-56.

Weitere Arbeiten mit Coautorenschaften mit Peer-Review-Verfahren:

Schrof S, Staudt T, Rittweger E, **Wittenmayer N**, Dresbach T, Engelhardt J, Hell SW. 2011. STED nanoscopy with mass-produced laser diodes. Opt Express. Apr 25;19(9):8066-72.

Stan A, Pielarski KN, Brigadski T, **Wittenmayer N**, Fedorchenko O, Gholi A, Lessmann V, Dresbach T, Gottmann K. 2010. Essential cooperation of N-Cadherin and neuroligin-1 in the transsynaptic control of vesicle accumulation. Proc Natl Acad Sci 107:11116-11121.

Tsuriel S, Fisher A, **Wittenmayer N**, Dresbach T, Garner CC, Ziv NE (2009) Exchange and redistribution dynamics of the cytoskeleton of the active zone molecule bassoon. J Neurosci 29:351-358.

Kremer T, Kempf C, **Wittenmayer N**, Nawrotzki R, Kuner T, Kirsch J, Dresbach T (2007) Mover is a novel vertebrate-specific presynaptic protein with differential distribution at subsets of CNS synapses. FEBS Lett 581:4727-4733.

Dresbach T, Torres V, **Wittenmayer N**, Altmann WD, Zamorano P, Zuschratter W, Nawrotzki R, Ziv NE, Garner CC, Gundelfinger ED (2006) Assembly of active zone precursor vesicles: obligatory trafficking of presynaptic cytomatrix proteins Bassoon and Piccolo via a trans-Golgi compartment. J Biol Chem 281:6038-6047.

Kleinhenz B, Fabienke M, Swiniarski S, **Wittenmayer N**, Kirsch J, Jockusch BM, Arnold HH, Illenberger S (2005) Raver2, a new member of the hnRNP family. FEBS Lett. 15;579(20):4254-8.

Tagungsbeiträge

Einhäupl L, Schlottmann J, **Wittenmayer N** (2020) Localisation and Functional Role of MAGI-1 in Neurons. Proceedings of the 19th international federation of Associations of Anatomists Congress, 9th-11th August 2019, London. Journal of Anatomy 236(S1)

Buchbeiträge

Wittenmayer N. 2014. Photoconversion of CFP to study neuronal tissue with electron microscopy. Photoswitching Proteins: Methods in Molecular Biology, 1148:77-87

Übersichtsarbeiten

Wittenmayer und Dresbach. 2013. Strukturelle und funktionelle Reifung präsynaptischer Nervenendigungen unter der Kontrolle transsynaptischer Signalwege. Neuroforum 2/12