

Publication list

Articles in peer-reviewed journals

Markert SM, Bauer V, **Muenz TS**, Jones NG, Helmprobst F, Britz S, Sauer M, Rössler W, Engstler M, Stigloher C. 2017. 3D subcellular localization with superresolution array tomography on ultrathin sections of various species. In **Methods in Cell Biology - Correlative Light and Electron Microscopy III** (Müller-Reichert T and Verkade P, Eds.)

Held M, Berz A, Hensgen R, **Muenz TS**, Scholl C, Rössler W, Homberg U, Pfeiffer K. 2016. Microglomerular Synaptic Complexes in the Sky-Compass Network of the Honeybee Connect Parallel Pathways from the Anterior Optic Tubercle to the Central Complex. **Frontiers in Behavioral Neuroscience** 10:186

Scholl C, Kübert N, **Muenz TS**, Rössler W. 2015. CaMKII knockdown affects both early and late phases of olfactory long-term memory in the honeybee. **Journal of Experimental Biology** 218:3788-3796

Muenz TS, Groh C, Maisonnasse A, Le Conte Y, Plettner E, Rössler W. 2015. Neuronal plasticity in the mushroom body calyx during adult maturation in the honeybee and possible pheromonal influences. **Developmental Neurobiology** 75:1368-1384

Muenz TS, Maisonnasse A, Plettner E, Le Conte Y, Rössler W. 2012. Sensory reception of the primer pheromone ethyl oleate. **Naturwissenschaften** 99:421-425

Pasch E*, **Muenz TS***, Rössler W. 2011. CaMKII is differentially localized in synaptic regions of Kenyon cells within the mushroom bodies of the honeybee brain. *Journal of Comparative Neurology*, **Journal of Comparative Neurology** 519:3700-3712
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Hourcade B, **Muenz TS**, Sandoz JC, Rössler W, Devaud JM. 2010. Long-term memory leads to synaptic reorganization in the mushroom bodies: a memory trace in the insect brain? **Journal of Neuroscience** 30: 6461-6465

Stieb SM, **Muenz TS**, Rössler W. 2010. Visual experience and age affect synaptic organization in the mushroom bodies of the desert ant *Cataglyphis fortis*. **Developmental Neurobiology** 70: 408-423