

Publication list - Dr. Thomas S. Muenz

Research articles (peer- reviewed)

- 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
* equally contributing first authors
- 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

Book chapters (peer- reviewed)

- 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 super-resolution array tomography on ultrathin sections of various species. In *Methods in Cell Biology – Volume 140. Correlative Light and Electron Microscopy III*. Serial Editors: Thomas Muller-Reichert & Paul Verkade

Practical Natural Science Education articles

- **Münz T** & Paul J. 2021. DiLeNa, digitales Lernspiel zur BNE – Nachhaltige Ernährung spielend leicht erfahrbar. *digital unterrichten BIOLOGIE* 1, 4-5
- **Münz T** & Paul J. 2020. DiLeNa - das digitale Lernspiel für nachhaltige Ernährung. *MINT-Zirkel, Klett* 3 (Sept), 10