

Selected publications – Marcus Stensmyr

Dweck HKM, Ebrahim SAM, Kromann S, Bown D, Hillbur Y, Sachse S, Hansson BS, Stensmyr MC Olfactory guided oviposition preference of the vinegar fly *Drosophila melanogaster*. **Curr Biol**. 2013 23: 2472–2480.

Linz J, Baschwitz A, Strutz A, Dweck HK, Sachse S, Hansson BS, Stensmyr MC. Host plant-driven sensory specialization in *Drosophila erecta*. **Proc Biol Sci**. 2013 17:

Stensmyr MC, Dweck HKM, Farhan A, Ibba I, Strutz A, Mukunda L, Linz J, Grabe V, Steck K, Lavista-Llanos S, Wicher D, Sachse S, Knaden M, Becher PG, Seki Y, Hansson BS. A conserved dedicated olfactory circuit for detecting harmful microbes in *Drosophila*. **Cell** 2012 151, 1345-1357.

Hansson BS, Stensmyr MC. Evolution of insect olfaction. **Neuron** 2011 72: 698-711.

Maderspacher F, Stensmyr MC. Myrmecomorphomania. **Curr Biol**. 2011 21: R291-293.

Stökl J, Strutz A, Dafni A, Svatos A, Doubsky J, Knaden M, Sachse S, Hansson BS, Stensmyr MC. A deceptive pollination system targeting drosophilids through olfactory mimicry of yeast. **Curr Biol**. 2010 16(20): 1846-52.

Wicher D, Schäfer R, Bauernfeind R, Stensmyr MC, Heller R, Heinemann SH, Hansson BS. *Drosophila* odorant receptors are both ligand-gated and cyclic-nucleotide-activated cation channels. **Nature** 2008 452: 1007-11.

Dekker T, Ibba I, Siju KP, Stensmyr MC, Hansson BS. Olfactory shifts parallel superspecialism for toxic fruit in *Drosophila melanogaster* sibling, *D. sechellia*. **Curr Biol**. 2006 16: 101-9.

Stensmyr MC, Erland S, Hallberg S, Wallen R, Greenaway P, Hansson BS. Insect-like olfactory adaptations in the terrestrial giant robber crab. **Curr Biol**. 2005 15: 116-21.

Stensmyr MC, Dekker T, Hansson BS. Evolution of the olfactory code in the *Drosophila melanogaster* subgroup. **Proc Biol Sci**. 2003 270: 2333-2340.

Stensmyr MC, Urru I, Collu I, Celandier M, Hansson BS, Angioy AM. Pollination: Rotting smell of dead-horse arum florets. **Nature**. 2002 420: 625-26.