

## Transcriptomic analysis of diapause induction in the malt fly *Chymomyza costata*

**Rodolphe W. Poupardin**

Diapause is an environmentally programmed and hormonally regulated period of dormancy which makes an important part of the life-cycle in many species of invertebrates. In this study, using a RNAseq approach, we focused on very early stages of diapause induction in the larvae of drosophilid fly, *Chymomyza costata* by characterizing global patterns of gene expression associated with photoperiodic induction of diapause.