











## Glands

Outer epicuticle has wax layer

Cuticular hydrocarbons (CHCs): important in mate recognition.

Produced by oenocytes

Genetic removal of oenocytes in females caused males to preferably mate with them, i.e. a hyperstimulus

But caused males of other species to do the same so the oenocyte secretions are species identifiers and sex identifiers

Billeter, J.-C., Atallah, J., Krupp, J.J., Millar, J.G., Levine, J.D. Specialized cells tag sexual and species identity in *Drosophila melanogaster* (2009) Nature, 461 (7266), pp. 987-991.



























