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The second sex

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The second sex

Functions and mechanisms of sperm manipulation
in female *Drosophila melanogaster*



KONINKLIJKE NEDERLANDSE
AKADEMIE VAN WETENSCHAPPEN



This research has been carried out in the Evolutionary Genetics, Behaviour and Development (EDGB) group at the Groningen Institute for Evolutionary Life Sciences (GELIFES) according to the requirements of the Graduate School of Science (Faculty of Mathematics and Natural Sciences, University of Groningen, The Netherlands).

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The Second Sex

**Functions and mechanisms of sperm manipulation in female
*Drosophila melanogaster***

PhD Thesis

to obtain the degree of PhD at the
University of Groningen
on the authority of the
Rector Magnificus Prof. E. Sterken
and in accordance with
the decision by the College of Deans.

This thesis will be defended in public on

Thursday 8 December 2016 at 09.00 hours

by

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