

## University of Groningen

### The second sex

Laturney, Meghan Elizabeth

**IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.**

*Document Version*

Publisher's PDF, also known as Version of record

*Publication date:*  
2016

[Link to publication in University of Groningen/UMCG research database](#)

*Citation for published version (APA):*

Laturney, M. E. (2016). *The second sex: Functions and mechanisms of sperm manipulation in female Drosophila melanogaster*. [Thesis fully internal (DIV), University of Groningen]. Rijksuniversiteit Groningen.

**Copyright**

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

**Take-down policy**

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

*Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.*

## APPENDIX

	1st mating			Interval		2nd mating			Offspring			
	males	female	Dur	Var	Isolated	Dur	males	female	Dur	Proof	Genotyping	Dur
Boorman and Parker 1976	1	1	NS	Ob	yes	4-14 days	1	1	5	Ob	irradiation treatment	life-time
Lefevre and Jonsson 1962	1	1	NS	Ob	no	0-24 hrs	1	1	ns	if	mutant, forked	life-time
Hughs 1997a	1	2	2	Off	yes	3 days	1	2	24	Off	mutant, eye colour	10
Hughs 1997b	en masse	en masse	NS	Off	yes	3 days	1	2	24	Off	mutant, eye colour	10
Clark et al. 1995	en masse	en masse	2	Off	yes	2,5 days	1	3	12	Off	mutant, eye colour	13
Prout and Bandgaard 1977	100	100	2	off	yes	36	1	3	24	Off	mutant, eye colour	12
Clark et al. 1998	en masse	en masse	2	Off	yes	2 days	1	2 or 3	18	Off	mutant, eye colour	13
Gilbert and Richmond 1981a	1	1	NS	Ob	yes	daily	1	1	2	Ob	mutant, forked	7
Gilbert and Richmond 1981b	varied	varied	7 days	Off	no	none	NA	NA	NA	NA	mutant, forked	9
Gilbert and Richmond 1981c	1	1	24	Off	no	0	1	1	24	Off	mutant, forked/eye-colour	8
Morrow et al. 2005	16	24	1,5	Off	no	(0-24)	16	16	24	Off	mutant	<24 hrs
Chapman et al. 2000a	6	7 to 9	NS	Ob	yes	2 day	2	1	18	Off	mutant, eye colour	13
Chapman et al. 2000b	1	1	NS	Ob	yes	3-5 days	1	1	NS	Ob	irradiation treatment	lifetime
Chapman et al. 2000c	6	7 to 9	NS	Ob	yes	1-2 day	2	1	18	Off	mutant, eye colour	13
Scott and Richmond 1990	1 or 2	1	NS	Ob	yes	6 hrs	1	1	1	Ob	yellow body, attached X	6

# Appendix

	1st mating		Interval		2nd mating		Offspring					
	males	female	Dur	Var	Isolated	Dur	males	female	Proof	Genotyping	Dur	
Harshman and Prout 1994a	20	20	24	Off	yes	4 days	20	20	48	Off	mutant, eye colour	20
Harshman and Prout 1994b	20	20	24	Off	yes	4-6 days	2	1	3	Ob	used sterile males	20
Price et al. 1999	1	1	10	Ob	yes	1 day	1	1	10	Ob	mutant, eye colour	life-time
Price 1997	1	1	10	Ob	yes	1 day	1	1	10	Ob	mutant, eye colour	life-time
Civetta and Finn 2014	1	1	8	Ob	yes	2 days	1	1	8	Ob	mutant, body colour	life-time
Manier et al. 2010	1	1	NS	Ob	yes	3 days	1	1	6	Ob	fluorescent protein	varied
Clark and Begun 1998	en masse	en masse	2	Off	yes	2 days	2 or 3	1	18	Off	mutant, eye colour	11
Civetta and Clark 2000	en masse	en masse	2	Off	yes	2,5 days	1	3	12	Off	mutant, eye colour	13
Clark et al. 1999	en masse	en masse	2	Off	yes	2 days	2 or 3	1	18	Off	mutant, eye colour	11
Ala-Honkola et al. 2014	NS	NS	NS	Off	NS	2-5 days	1	1	4	Ob	fluorescent protein	6
Billeter et al. 2012	6	6	8	Ob	no	none	6	6	8	Ob	cuticular pigment pattern	life-time
Bjork et al. 2007	1	1	NS	Ob	yes	3-4 days	1	1	NS	Ob	mutant, eye colour	11
Amitin and Pitnick 2007	1	1	NS	Ob	yes	2-8 days	1	1	5	Ob	mutant, eye colour	1
Mack et al. 2003	40	65	3	Off	yes	3 days	2	1	18	Off	mutant, eye colour	12
Bangham et al. 2003	1	1	6	Ob	yes	3 days	1	1	9	Ob	mutant, eye colour	life-time
Reinhardt et al. 2015	1	1	6	Ob	yes	3 days	2	1	12	Ob/Off	mutant, eye colour	2 or 3

**Appendix. Survey of the experimental design used to investigate last male sperm precedence.** Publications listed with a lower case letter indicate multiple experiments within the same report. Dur = duration, Var = method of verification of mating, Ob = observed, Off= offspring