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## Opening the psychological black box in genetic counseling

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A counselee-oriented, integrative approach  
on the impact of  
DNA-testing for breast and ovarian cancer  
on the lives of counselees

Joël Vos



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*A counselee-oriented, integrative approach on the impact of DNA-testing for breast and ovarian cancer on the lives of counselees*  
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Joël Vos

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# Opening the psychological black box in genetic counseling

**Proefschrift**

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op gezag van Rector Magnificus prof. mr. P.F. van der Heijden,  
volgens besluit van het College voor Promoties  
te verdedigen op 30 juni 2011

klokke 15.00 uur  
door Joël Vos  
geboren te Rotterdam in 1980

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Dr. E.M.A. Bleiker (Netherlands Cancer Institute – Antoni van Leeuwenhoek Hospital)

The studies described in this thesis were performed at the departments of Clinical Genetics of the Leiden Center for Human and Clinical Genetics (Leiden University Medical Center), the University Medical Center Groningen (Groningen University), VU University Medical Center, Erasmus Medical Center Rotterdam and Maastricht University Medical Center.

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