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Bacterial interactions in the female genital tract

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ABOUT THE AUTHOR

Martin Singer was born in Blokker, the Netherlands on the 26th of July 1989. He attended secondary school at the Copernicus SG in Hoorn, and graduated from there in 2008. After this he attended the Inholland University of Applied Sciences in Amsterdam, where he studied for a bachelor's degree in Biology and Medical Laboratory Science until he graduated in 2012. For his graduate internship he investigated the links between host genetic SNPs and the severity of



Haemophilus ducreyi infections at the laboratory of Immunogenetics at the VU Medical Centre in Amsterdam. In the summer of 2012 year, he was briefly employed at the same laboratory as a research analyst. In September of 2012 he started the Biomedical Sciences Master degree study at the Vrije Universiteit in Amsterdam, from which he graduated with a dual specialization into Immunology and Infectious Diseases in 2015. His graduate internship was performed at the parasitology department of the Royal Tropical Institute in Amsterdam, where he examined the conditions required for optimal experimental infections of human cell lines with *Cryptosporidium parvum*. In 2015 Martin started working as a PhD student within the department of Medical Microbiology and Infection Control of the VU Medical Centre in Amsterdam and the spin-off company related to this department called TubaScan Ltd. In this setting, and under the guidance of his promotor Prof. Dr. Servaas A Morré and his co-promotor Dr. Sander Ouburg he produced the work presented in this thesis.

Martin Singer is geboren in Blokker, Nederland op 26 juli 1989. Hij ging naar de middelbare school aan de Copernicus SG in Hoorn en verkreeg daas zijn HAVO diploma in 2008. Daarna studeerde hij aan de Hogeschool Inholland in Amsterdam, waar hij de bachelor Biologie en Medische Laboratoriumonderzoek afrondde in 2012. Voor zijn afstudeerstage onderzocht hij het verband tussen genetische SNP's in de gastheer en de ernst van *Haemophilus ducreyi* infecties bij het laboratorium van Immunogenetica in het VU Medisch Centrum in Amsterdam. In de zomer van 2012 jaar was hij kort werkzaam in hetzelfde laboratorium als een onderzoeksanalist. In september 2012 startte hij de master Biomedical Sciences aan de

Vrije Universiteit in Amsterdam, waar hij in 2015 afstudeerde met een dubbele specialisatie in Immunologie en Infectieziekten. Zijn afstudeerstage werd uitgevoerd op de afdeling parasitologie van het Koninklijk Instituut voor de Tropen in Amsterdam, waar hij de voorwaarden onderzocht die nodig zijn voor optimale experimentele infecties van menselijke cellijnen met *Cryptosporidium parvum*. Martin begon in 2015 te werken als promovendus bij de afdeling Medische Microbiologie en Infectiepreventie van het VU Medisch Centrum in Amsterdam en het spin-off bedrijf met betrekking tot deze afdeling genaamd TubaScan Ltd. Onder leiding van zijn promotor Prof. Dr. Servaas A. Morr  en copromotor Dr. Sander Ouburg produceerde hij in deze setting het werk gepresenteerd in dit proefschrift.

LIST OF PUBLICATIONS

CpG DNA analysis of bacterial STDs.

[Singer M](#), de Waaij DJ, Morr  SA, Ouburg S. BMC Infect Dis. 2015 Jul 16;15:273. doi: 10.1186/s12879-015-1016-7

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Paziewska-Harris A, [Singer M](#), Schoone G, Schallig H. Parasitology Research 2016 Jan;115(1):329-37. doi: 10.1007/s00436-015-4751-1

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M. Molenaar, [M. Singer](#), S. Ouburg. J Reprod Immunol. 2018 Aug 22;130:11-17. doi: 10.1016/j.jri.2018.08.006.

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[M. Singer](#), M. Borg, S. Ouburg, S. A. Morr . *Submitted*

The vaginal microbiome as a predictor for outcome of in vitro fertilization with or without intracytoplasmic sperm injection: a prospective study

R. Koedooder, [M. Singer](#), S. Schoenmakers, P.H.M. Savelkoul, S.A. Morr , A.E. Budding, J.S.E. Laven. *Submitted*

The ReceptIVFity cohort study protocol to validate the urogenital microbiome as predictor for IVF or IVF/ICSI outcome

R. Koedooder, M. Singer, S. Schoenmakers, P.H.M. Savelkoul, S.A. Morr , J.D. de Jonge, L. Poort, A.E. Budding, J.S.E. Laven, ReceptIVFity study group. *Submitted*

The profiling of microbiota in vaginal and urine samples using 16s rRNA gene sequencing and IS-pro analysis

[M. Singer](#), R. Koedooder, M.P.Bos, L. Poort, P.H.M. Savelkoul, J.S.E. Laven, S.A. Morr , A.E. Budding. *In preparation*