Authors and affiliations

Manuscripts

About the author

PhD portfolio

Dankwoord

Erasmus University Rotterdam

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MANUSCRIPTS

*P. Wu/***C.B. van den Berg** *(shared first author), Z. Alfirevic, S. O'Brien, M. Röthlisberger, P.N. Baker, L.C. Kenny, K. Kublickiene, J.J. Duvekot. Early pregnancy biomarkers in pre-eclampsia: a systematic review and meta-analysis. International Journal of Molecular Sciences 2015 Sep 23;16(9):23035-56*

C. Güzel, **C. B. van den Berg***, J. J. Duvekot, C. Stingl, T.P.P. van den Bosch, M. van der Weiden, E.A.P. Steegers, R.P.M. Steegers-Theunissen, T. M.Luider Quantification of calcyclin and heat shock protein 90 in sera from women with and without pre-eclampsia by mass spectrometry. Proteomics Clinical Applications 2018 Nov 11 [Epub ahead of print].*

C.B van den Berg*, I. Chaves, E.M. Herzog, S.P. Willemsen, G.T.J. van der Horst, R.P. Steegers-Theunissen. Early- and late-onset pre-eclampsia and the differential DNA methylation of circadian clock (related) genes. Chronobiology International 2017, 34:7, 921-932.*

C.B. van den Berg, *E.M. Herzog, J.J. Duvekot, P. van der Spek, E.A.P. Steegers, M. Stoop, S.P. Willemsen, R. Steegers-Theunissen. The epigenome of placental and newborn tissues in pre-eclampsia: An integrated omics approach. Submitted.*

C.B. van den Berg, *J.J. Duvekot, C. Güzel, S. Hansson, T. de Leeuw, E.A.P. Steegers, J. Versendaal, T. Luider, M. Stoop. Elevated levels of protein AMBP in cerebrospinal fluid of women with pre-eclampsia compared to normotensive pregnant women. Proteomics Clinical Applications, 2017, 11(1-2).*

*I.A. Brusse/***C.B. van den Berg** *(shared first author), J.J. Duvekot, M.J. Cipolla, E.A.P. Steegers, G.H. Visser. Visual evoked potentials in women with and without pre-eclampsia during pregnancy and postpartum. Journal of Hypertension 2018 Feb;36(2):319-325.*

ABOUT THE AUTHOR

Cornelia Bastiaantje Bosman-van den Berg was born on the 11th of February 1986 in Harderwijk as the fourth child of the family. She spent the biggest part of her childhood in the small village of Groot-Ammers. At the age of 14 she moved to Zoetermeer.

In 2004 she started medical school at the University of Utrecht. In 2008 she did a clinical internship and research project in Ethiopia, showing a love for travelling which she inherited from her father. During this project she conducted her first qualitative research project; '*HIV/AIDS related knowledge and behavior among in-school youth*'. Initially she preferred to become a specialist in internal medicine. However, during her internship in obstetrics and gynaecology her second nephew Daan was born by a caesarean section in the same hospital. From that day, she knew she wanted to become a gynaecologist. The practical and acute aspects of this specialty are a perfect match with her character. In the final year of medical school, she performed her last clinical residency at the department of gynaecological oncolocy of the University Medical Centre of Utrecht. There, she also performed her second research project; '*Laparoscopic Skills Training. Using inexpensive box trainers and validated training exercises*' which was published in the British Journal of Obstetrics and Gynaecology in 2010.

After obtaining her medical degree in 2011 she worked as a junior resident at the department of Obstetrics and Gynaecology of the Meander Medisch Centrum in Amersfoort and the Diakonessenhuis in Utrecht. In 2011, again she travelled to Ethiopia to work with a midwife in the rural area. In October 2012 she moved to Rotterdam to work as a junior resident at the department of Obstetrics and Gynaecology of the Erasmus MC, University Medical Centre.

In April 2013 she started her PhD project under the supervision of prof. E.A.P Steegers, dr. J.J. Duvekot and dr. T. Luider. The PhD project was a combined project of clinical and laboratory departments. By working in a laboratory she followed in the footsteps of her mother, who worked as a laboratory technician. She also coordinated the IMPROvED (*IMPROvED Pregnancy Improved Outcomes by Early Detection*) project in the Netherlands. She collaborated with researchers from Ireland, the UK and Sweden and she included 817 participants in the Netherlands.

In 2016 Caroline started her specialty training in Obstetrics and Gynaecology in the Maasstad hospital in Rotterdam (under supervision of dr. P. Timmers) and in 2019 she continued her specialty training in the Erasmus University Medical Centre in Rotterdam (under supervision of dr. M.J. ten Kate-Booij). In 2017 she married Hans Bosman; they live happily in the village of Moerkapelle since then.

Erasmus University Rotterdam

PHD PORTFOLIO

Name PhD candidate:	C.B. Bosman-van den Berg
Erasmus MC Department:	Obstetrics & Gynaecology
PhD period:	2013-2018
Promotor:	Prof. Dr. E.A.P. Steegers
Co-promotors:	dr. J.J. Duvekot
	dr. T. Luider
Supervisors:	dr. J.J. Duvekot
	dr. T. Luider

1.PhD training	Year	ECTS
General courses		
Systematic literature retrievel in pubmed (Erasmus MC)	2013	0.3
The Basic Introduction Course on SPSS (Erasmus MC)	2013	1.0
Course Biomedical Research Techniques XIII (Molmed)	2014	1.5
Research Integrity (Erasmus MC)	2014	0.3
BROK course (Erasmus MC)	2014	1.0
English Biomedical Writing and Communication (Erasmus MC)	2014	3.0
Biostatistical Methods I. Basic Principles A (NIHES)	2015	0.7
Seminars and workshops		
Meeting IMPROvED consortium Tromso	2012	0.3
Meeting publication team IMPROvED Cork	2013	0.3
IMPROvED clinical workshop	2014	0.3
Meeting IMPROvED consortium Florence	2014	0.3
SRI congress in Florence	2014	1.0
Meeting IMPROvED consortium Stockholm	2015	0.3
Meeting IMPROvED consortium London	2016	0.3
Meeting IMPROvED consortium London	2018	0.3
Weekly research meetings Department of Obstetrics	2013-2016	0.5
Annual Wladimiroff award Meeting	2013-2016	0.5
Annual Sophia Research Day	2013-2016	0.5
Erasmus MC PhD day	2013-2016	0.5
Masterclass foetal Anomaly Ultrasound Scan, Erasmus MC	2014	2.0
Presentations at seminar		
Research meeting Erasmus MC (3 presentations)	2013-2016	1.5
Research meeting Maasstad	2014	0.5
Research meeting Maasstad	2014	0.5
Research meeting SFG	2016	0.5
Research meeting IJssellandziekenhuis	2014	0.5
Research meeting UMC Groningen	2014	0.5

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Regionaal consortium Verloskunde	2014	0.5
NEDWEP meeting	2016	0.5

Presentations at (inter)national conferences

19th World Congress of the International Society for the Study of Hypertension in Pregnancy (ISSHP), New Orleans, USA. *Oral presentation,* **travel award**	2014	1.0
Wladimiroff Wetenschapsmiddag Verloskunde & Gynaecologie Erasmus MC, *oral presentation*	2015	1.0
European Congress of the International Society for the Study of Hypertension in Pregnancy (ISSHP), Budapest, Hungary	2015	1.0
Oral presentation, **New Investigator Oral Presentation First Award**		
9th World Congress Developmental Origins of Health and Disease (DOHaD), Cape Town, South Africa, *oral-poster presentation*	2015	1.0

2. Teaching

Supervising student Micky Hengst	2016	2.0
Supervising student Annemiek Mian	2016	2.0
Supervising clinical nurse L. Schafthuizen	2014-2016	2.0
Supervising clinical nurse M. Reedijk	2014-2015	2.0

DANKWOORD

Allereerst dank aan mijn promotor, professor Steegers. Beste Eric, dank voor de mogelijkheid die mij geboden werd om promotieonderzoek te doen op de afdeling Verloskunde en Gynaecologie van het Erasmus MC. De vrijheid en zelfstandigheid die ik kreeg heb ik gewaardeerd. De open en creatieve manier waarop u tegen wetenschappelijke vragen aan kijkt vind ik inspirerend.

Mijn co-promotor, dr. Duvekot, ben ik veel dank verschuldigd. Beste Duuv, na onze wat voorzichtige kennismaking, bleken we veel met elkaar gemeen te hebben: allebei recht voor zijn raap, domineeskind en wars van politiek gezeur. Je eerlijkheid en persoonlijke betrokkenheid bij een ieder vind ik bewonderenswaardig. Van patiënte tot schoonmaakster, van portier tot willekeurige voorbijgang(st)er: je bezorgt een ieder een glimlach op het gezicht! Onze reisjes voor de IMPROvED waren legendarisch. Ik hoop dat je hartelijkheid en kundigheid nog lang blijven bestaan voor de patiënte waar het allemaal om draait.

Tevens dank aan mijn tweede co-promotor: dr. Luider. Beste Theo, onze regelmatige overlegmomenten verliepen altijd volgens een vast schema: je bood me attent een kopje koffie aan, we wachtten nog een half uur op Hans en vervolgens werden op een eerlijke en kritische wijze de resultaten over het voetlicht gebracht. Steevast kwam er vervolgens een discussie op gang over het punt dat het zo lastig is monsters te verzamelen bij vrouwen met pre-eclampsie en werd verder gefilosofeerd over de oorzaak van het probleem. Dank voor de mogelijkheden die ik kreeg in de samenwerking met jullie lab!

Ook wil ik prof. dr. Steegers-Theunissen bedanken. Beste Régine, als promovendus op de 22e voelde ik mij welkom binnen de groep van jouw promovendi. Hartelijk dank voor de kans die ik kreeg enkele onderzoeken binnen de Predict-studie te verrichten.

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Alle leden van de kleine commissie: prof. dr. Danser, prof. dr Stolker en prof. dr. De Groot, dank voor de beoordeling van dit proefschrift.

Beste Ingrid, ik kende je al als één van de gezelligere stafleden, maar tijdens ons VEP-avontuur hebben elkaar nog beter leren kennen. Meestal ging het een kwart van de tijd over het artikel zelf, maar dan werkten we wel heel efficiënt en hadden we weinig woorden nodig, omdat we vaak op dezelfde manier dachten. Super dat je nu in de grote commissie zit. Ik hoop dat ik geen insult krijg tijdens de verdediging, want dan word jij gebeld…

Dear prof. Hansson. Thank you for participating in my thesis committee today; all the way from Sweden. I remember that I had to present my AMBP article during the ISSHP

conference in New Orleans and you were in the audience; this made me a little nervous. I am happy for the short collabaration we had afterwards!

Mijn paranimfen: Jurrianne en Nicole, bijzonder dat jullie vandaag, als gynaecoloog en kinderarts in spé, naast me staan. Jur, zowel Ludiek vriendinnetje als studiegenoot. Tijdens onze reis naar het prachtige Ethiopië deden we samen ons eerste onderzoek en nu zijn we allebei bijna gepromoveerd! Nico, we zaten een paar jaar bij elkaar op de kamer. Jij met een keurig gesorteerde ordnerrij boven je hoofd en een todo-lijst naast je; ik met wat potjes urine en ander gespuis op mijn bureau. Onze karakters verschilden, maar we hadden direct een match en altijd veel gezelligheid.

Beste overige oude 22ᵉ gekken: Kim, Emilie, Irene, Matthijs, Jorine en Eline. Vaak denk ik nog aan jullie om 12 uur 's middags. Stipt dan was het tijd voor de lunch en vooral tijdens de koffie daarna werd alle blijdschap en ellende van onze promotietrajecten geventileerd. Gelukkig leven we nog en hebben we een dak boven ons hoofd ondanks dat sommigen als OIO waren aangesteld. Ik ben trots dat iedereen nu bezig is met de vervolgopleiding tot specialist en hoop dat we in de kliniek nog veel plezier met elkaar zullen beleven. Emilie: dank voor de samenwerking en veel geluk met jouw avontuur in Deutschland.

Beste Paulien, bijzonder dat wij allebei in Rotterdam zijn beland na onze avonturen in Utrecht. Ik heb meerdere huisgenoten gehad; jij was de meest relaxte. Je bracht me wat veganisme bij en leerde me afval scheiden. Hopelijk voor jou ook snel een mooi einde aan het PhD-traject!

Beste gynaecologen, arts-assistenten, verloskundigen, verpleegkundigen, poli-assistenten en onderzoekers van het Erasmus MC. Sinds kort ben ik weer jullie collega, dank voor de samenwerking in dit mooie ziekenhuis.

Beste gynaecologen, arts-assistenten, verloskundigen, verpleegkundigen en poli-assistenten van het Maasstad: wat een mooie en leerzame tijd had ik bij jullie tijdens de eerste twee jaar van mijn opleiding. Ik ben gaan houden van Rotterdam Zuid en mis jullie nu al.

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Beste JW-tjes: BJ, Josephine en Jans. "Suffering (defending a PhD?) is not a question which demands an answer, it's not a problem which demands a solution, it's a mystery that demands a presence". Sinds Uruguay 2010 hebben we veel leuke avondjes gehad!

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Erasmus University Rotterdam

Lieve pap: je stimuleerde me promotieonderzoek te gaan doen! Je onvermoeibaar enthousiasme motiveert mij altijd het nóg beter te doen. Gelukkig hoef ik nu geen antwoord meer te geven op de vraag wanneer het boek(je) nu eindelijk af is.

Lieve mam: dank voor jouw nuchterheid en betrokkenheid op alle vlakken. Je staat altijd voor mij klaar en niets is je teveel!

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Lieve Hb. Ik zal geen zoete woordjes schrijven ;-). Jij houdt me met beide benen op de grond. Love you!

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