



Renée van Amerongen

biomedical scientist


research


teaching

writing

speaking

 [linkedin.com/in/renevanamerongen/](https://www.linkedin.com/in/renevanamerongen/)

 r.vanamerongen@uva.nl
mail@reneevanamerongen.nl

 vanamerongenlab.nl
reneevanamerongen.nl

 [@wntlab](https://twitter.com/wntlab)

Profile

Biomedical scientist with 20 years of active, international research experience in academia. Dedicated to teaching and mentoring the next generation of scientists. Skilled writer and public speaker in both English and Dutch. Passionate about communicating the beauty of biology and the importance of basic research to experts and non-experts alike. Comfortable on stage in front of a large audience, ranging from kids to artists/designers and the general public.

Education

2005 PhD, University of Amsterdam, NL (*cum laude*)
1999 MSc, Vrije Universiteit Amsterdam, NL (*cum laude*)

Professional Appointments and Employment

2017 – Associate professor (with tenure since February 2017),
Swammerdam Institute for Life Sciences, University of Amsterdam, NL
2013 – 2017 Assistant professor & MacGillavry fellow (tenure track),
Swammerdam Institute for Life Sciences, University of Amsterdam, NL
2011 – 2013 Senior postdoctoral fellow, Netherlands Cancer Institute, NL
2008 – 2011 Postdoctoral fellow with Dr. Roel Nusse, Stanford University, USA
2005 – 2007 Postdoctoral fellow with Dr. Anton Berns, Netherlands Cancer Institute, NL
1999 – 2005 PhD thesis research with Dr. Anton Berns, Netherlands Cancer Institute, NL
1998 – 1999 Visiting scientist with Dr. Peter Laird, University of Southern California, USA

Honors and Awards

2018 Elected chair of the Gordon Research Conference on Mammary Gland Biology
2014 NWO VIDI laureate
2013 KWF Career development award
2013 MacGillavry fellowship award
2007 KWF postdoctoral fellowship award
2007 EMBO long-term fellowship award
2005 PhD awarded *cum laude*
2004 NKI representative at the "Avond van Maatschappij en Wetenschap" (KNAW)
1999 MSc awarded *cum laude*
1993 National champion & best speaker, Public Speaking Competition for Schools and International finalist in the International Public Speaking Competition (London, UK)

Additional Training and Qualifications

Leadership & Management:

- 2018 – Personal coaching
- 2016 – Peer consultancy (“intervisie”, 4-8 times per year)
- 2015 Career coaching for VIDI laureates (UVA, Centrum voor nascholing)
- 2012 EMBO laboratory management course for independent group leaders (4 days, Heidelberg, Germany)

Research:

- 2005 EMBO practical course on primary cell culture (2 weeks, Monterotondo, Italy)
- 2002 CSHL summer course ‘Mouse behavioral analysis’ (3 weeks, CSHL, USA)
- 2000 Course on Laboratory Animal Science (ex art. 9 of Law on Animal Experiments)

Teaching:

- 2015 – 2016 BKO certificate (“basiskwalificatie onderwijs”, university teaching qualification)

Grants and Fellowships

Main applicant/PI:

- 2017 - 2021 ‘Dissecting the role of aberrant Wnt signaling in breast cancer’ (KWF kankerbestrijding, €517000, project 11082/2017-1)
- 2015 - 2019 ‘In vivo tracking of Wnt-responsive stem cells: better and brighter’ (KWF kankerbestrijding/Alpe d’HuZes, €265000, project UVA 2015-8014)
- 2015 Equipment grant (Nijbakker-Morra stichting, €4500)
- 2014 - 2019 ‘Stem cells out of control: When the niche COMEs calling’ (VIDI grant, NWO ALW, €800000, project 864.13.002)
- 2013 Aspasia (NWO ALW, €200000, *declined*)
- 2013 - 2019 ‘Developmental signal transduction pathways as targets for cancer therapy: Wnt signaling in the mammary gland’ (KWF kankerbestrijding, €525000, project ANW 2013-6057)
- 2013 MacGillavry fellowship (University of Amsterdam, €320,000)

Collaborative grants/Co-PI:

- 2017 UVA Grassroots proposal to develop an online educational game for modeling intestinal stem cell division (€1000, co-PI with Gooitzen Zwanenburg)

Co-applicant/Co-writer:

- 2016 NWO ALW Middelgroot (€500000 for a BD Influx FACS sorter, co-writer and part of the research team)
- 2016 NWO/ZonMW Bio Art and Design (BAD) award (€25000, with artists/designers Lilian van Daal and Roos Meerman)

Grants and fellowships awarded to team members (selection):

- 2019 3-year Veni grant (NWO-ENW, awarded to Katrin Wiese)
- 2016 2-year Marie Curie Individual Fellowship (EU Horizon2020, awarded to Katrin Wiese)

Additional Fundraising:

- 2018 Raised over \$80000 from various sources to run the 2018 Gordon Research Conference on Mammary Gland Biology (together with Christina Scheel)

Invited talks

Keynote talks:

- 2019 Joint meeting of the Finnish Developmental Biology Society and Stem Cell Network (Kiljavanranta, Nurmijärvi, 11-12 October 2019, chair: Dr. Marja Mikkola)
"Tissue specific regulation of Wnt signaling activity"

Other talks at conferences and symposia:

- 2019 Gordon Research Conference on Wnt signaling, Stowe, VT, USA (August 2019)
"Tissue specific regulation of Wnt signaling activity"
- 2018 Wnt meeting Heidelberg (September 2018)
"Wnt signaling in mammary gland development and breast cancer: from mouse to molecule"
- 2017 Symposium on "Dynamics of adult stem cells and cancer"
Georg Speyer Haus, Frankfurt, Germany (host: Dr. Henner Farin)
"Wnt signaling in mammary gland development and breast cancer"
- 2016 Cell Press LabLink "The Organoid Revolution: Organs in a dish"
"Primary organoid cultures to dissect Wnt signaling in mammary gland biology and breast cancer"
(Amsterdam, NL)
- 2016 Gordon Research Conference on Mammary Gland Biology (Il Ciocco, Italy)
"Dissecting the role of Wnt signalling in mammary gland development and breast cancer"
- 2014 6th ENBDC Workshop on mammary gland biology and breast cancer (Weggis, Switzerland)
"Conditional gene manipulation in three-dimensional mammary organoid cultures"
- 2014 AIMMS annual meeting, Vrije Universiteit (VU), Amsterdam, NL
"Tracking the developmental fate of Wnt-responsive stem cells"
- 2013 5th ENBDC Workshop on mammary gland biology and breast cancer (Weggis, Switzerland)
"Lineage tracing in the mammary gland: principles, promises and pitfalls"
- 2013 Targeting Cancer Conference (inaugural meeting for the Cardiff European Cancer Stem Cell Research Institute, ECSCRI)
"Lineage tracing reveals the developmental fate of mammary gland stem cells"
- 2013 Trippenhuis meeting, Nederlandse Vereniging voor Celbiologie, Amsterdam
"Wnt-responsive stem cells and turnover of the mammary epithelium"
- 2010 Experimental Biology 2010 (Anaheim, CA, USA)
"Uncovering new roles for Wnt5a: Context is everything?"

Institutional seminars:

- 2019 Aberdeen (host: Dr. Stefan Hoppler)
"Tissue specific regulation of Wnt signal transduction (28 November 2019)
- 2019 Stem Cell Institute, KU Leuven, Belgium (host: Willy Antoni Abreu De Oliveira)
"Tissue specific regulation of Wnt signal transduction" (27 May 2019)
- 2019 Leibniz Institute on Aging, Jena, Germany (host: Dr. Björn von Eyss)
"Tissue specific regulation of Wnt signal transduction" (15 Feb 2019)
- 2018 Basel Breast Consortium, Basel, Switzerland (host: Dr. Momo Bentires-Alj)
"Wnt signaling in mammary gland development and breast cancer" (5 July 2018)
- 2017 Cambridge Stem Cell Institute, Cambridge, UK (host: Dr. Bon-Kyoung Koo)
"Wnt signaling in the mammary gland: from mouse to molecule"
- 2017 Leibniz Institute on Aging, Jena, Germany (host: Dr. Björn von Eyss)
"Wnt signaling in the mammary gland: from mouse to molecule"
- 2016 CNRS, Gif-sur-Yvette, France (host: Dr. Nadine Peyri ras)

- 2015 "Dissecting the role of Wnt signaling in mammary gland development and breast cancer"
Breast Cancer Now, Manchester University, Manchester, UK (host: Dr. Rob Clarke)
"Tales from the mammary gland: How Wnt signaling controls (stem) cell proliferation and differentiation"
- 2014 Cluster of Excellence in Cellular Stress Responses in Aging-associated Diseases (CECAD), Cologne, Germany (host: Dr. Carien Niessen)
"Wnt signaling, stem cells and cancer: tales from the mammary gland"
- 2014 Sanquin, Amsterdam, Netherlands (host: Dr. Carlijn Voermans)
"Wnt signaling, stem cells and cancer: tales from the mammary gland"
- 2014 Laserlab, Faculteit voor Exacte Wetenschappen, Vrije Universiteit (VU), Amsterdam, Netherlands (host: Dr. Davide Iannuzzi)
"The role of Wnt signaling in tissue development and maintenance"
- 2013 Swammerdam Institute for the Life Sciences, University of Amsterdam (UvA), Amsterdam, Netherlands (host: Dr. W. Stiekema)
"Novel insights into the origin & identity of mammary gland stem cells"
- 2013 Eli and Edythe Broad Center for Regenerative Medicine and Stem Cell Research, University of Southern California (USC), Los Angeles, CA, USA (host: Dr. A. McMahon)
"Novel insights into the origin & identity of mammary gland stem cells"
- 2013 Friedrich Miescher Institute for Biomedical Research (FMI), Basel, Switzerland (host: Dr. S. Gasser)
"Novel insights into the origin & identity of mammary gland stem cells"
- 2012 European Research Institute for the Biology of Aging, Universitair Medisch Centrum Groningen (UMCG), Netherlands (host: Dr. G. de Haan)
"Novel insights into the origin & identity of mammary gland stem cells"
- 2012 Erasmus Stem Cell Institute, Rotterdam, The Netherlands (host: Dr. E. Dzierzak)
"Novel insights into the origin & identity of mammary gland stem cells"
- 2012 Cambridge Stem Cell Institute, Cambridge, UK (host: Dr. A. Smith)
"Novel insights into the origin & identity of mammary gland stem cells"
- 2012 Universitair Medisch Centrum (UMC), Utrecht, The Netherlands (host: Dr. M. Maurice)
"Novel insights into the origin & identity of mammary gland stem cells"
- 2012 Academisch Medisch Centrum (AMC), Amsterdam, The Netherlands (host: Dr. S. Pals)
"Novel insights into the origin & identity of mammary gland stem cells"
- 2007 Max Delbrück Center for Molecular Medicine, Berlin, Germany (host: Dr. W. Birchmeier)
"Resolving the role of Frat in Wnt signal transduction"
- 2006 Stanford University, Stanford, CA, USA (host: Dr. R. Nusse)
"Resolving the role of Frat in Wnt signal transduction"
- 2005 Baylor College of Medicine, Houston, TX, USA (host: Dr. D. Roop)
"The mouse trap: Resolving the role of Frat in Wnt signal transduction"

Campus/Departmental talks:

- 2016 Opening symposium of the new VU/UvA O|2 research building (TedX style talk)
"5 things you should know about the mammary gland"
- 2015 SILS research day, University of Amsterdam (UvA), Amsterdam, Netherlands
"Tales from the mammary gland: How Wnt signaling controls (stem) cell proliferation and differentiation"

Conferences, Meetings and Symposia

Organization and chairing:

- 2019 Gordon Research Conference on Wnt signaling
(Stowe, VT, USA, session chair; August 2019)

- 2018 Organizer and chair of the 2018 Gordon Research Conference on Mammary Gland Biology (27 May – 1 June, Il Ciocco, Italy, with Christina Scheel)
- 2017 Gordon Research Conference on Mammary Gland Biology (Stowe, VT, USA) (vice-chair of the meeting and session chair)
- 2016 Organizer and chair of the 8th ENBDC Workshop on mammary gland biology and breast cancer (12-14 May in Weggis, Switzerland)
- 2015 7th ENBDC Workshop on mammary gland biology and breast cancer (Weggis, Switzerland, session chair)
- 2014 KWF tumorcelbiologie (Lunteren, Netherlands, session chair)
- 2014 Gordon Research Conference on Mammary Gland Biology (Il Ciocco, Italy, session chair)

Oral presentations selected from abstracts:

- 2014 KWF tumorcelbiologie (Lunteren, Netherlands, talk)
"Dissecting the response of the mammary epithelium to elevated levels of Wnt/ β -catenin signaling"
Wnt meeting (Broome, Australia, talk)
- 2014 "Dynamic responses to Wnt signaling in the mammary epithelium"
Gordon Conference on Mammary Gland Biology
(Il Ciocco, Italy, talk and poster)
- 2012 "Developmental stage and time dictate the fate of Wnt-responsive mammary stem cells"
Wnt-meeting (UCLA, Los Angeles, USA, talk and poster)
- 2011 "Origin and behaviour of mammary gland stem cells revealed by Axin2-CreERT2"
Wnt-meeting (Karolinska Institute, Stockholm, Sweden, talk and poster)
- 2010 "Uncovering new roles for Wnt5a: Context is everything?"
EMBO fellows meeting (Heidelberg, Germany, talk and poster)
- 2010 "Uncovering new roles for Wnt5a: Context is everything?"
EMBO fellows meeting (Boston, MA, USA, talk and poster)
- 2008 "Alternative Wnt signaling: dissecting the modes of action of Wnt5a"
Wnt-meeting (San Diego, CA, USA, talk)
- 2007 "Tmem98: A novel negative regulator of the canonical Wnt pathway"
Wnt-meeting (Ann Arbor, MI, USA, talk)
- 2004 "Frat is dispensable for Wnt signalling in mammals"

Poster presentations selected from abstracts:

- 2019 10th workshop on Innovative Mouse Models workshop (19-21 June 2019, Leiden, the Netherlands)
"Building new mouse models for mammary gland biology"
- 2019 11th ENBDC Workshop on mammary gland biology and breast cancer (Weggis, Switzerland)
"Building new mouse models for mammary gland biology"
- 2014 Gordon Research Conference on Mammary Gland Biology (Il Ciocco, Italy, poster)
- 2012 EMBO conference '30 years of Wnt-signalling' (Egmond aan Zee, Netherlands, poster)
- 2009 Wnt meeting (Washington DC, USA, poster)
- 2009 HHMI meeting (Janelia Farm, VA, USA, poster)
- 2008 Developmental Biology meeting (Santa Cruz, CA, USA, poster)
- 2007 Wnt meeting (Berlin, Germany, poster)
- 2006 Keystone meeting on Wnt-signaling (Snowbird, UT, USA, poster)
- 2002 Keystone meeting on Wnt-signaling (Taos, NM, USA, poster)
- 2001 Wnt meeting (New York City, NY, USA, poster)

Oral and poster presentations by lab members (selected highlights):

- 2019 Cell Symposium Transcriptional Regulation in Evolution, Development, and Disease (Chicago, IL, USA), Poster presentation (selected from abstracts) by Nika Heijmans
- 2019 Gordon Research Conference on Wnt signaling, Stowe, VT, USA
Poster presentation (selected from abstracts) and poster prize by Saskia de Man
- 2018 Wnt meeting (Heidelberg, Germany)

- posters (selected from abstracts) by Katrin Wiese, Nika Heijmans, Anoeska van de Moosdijk (poster prize), Amber Zeeman, Saskia de Man, Yorick van de Grift, Larissa Mourao
- 2017 SILS research day (Amber Zeeman, poster prize)
- 2017 9th ENBDC Workshop on mammary gland biology and breast cancer (Weggis, Switzerland) posters (selected from abstracts) by Saskia de Man, Katrin Wiese and Amber Zeeman
- 2016 Wnt meeting (Brno, Czech Republic) talk & poster (selected from abstracts) by Anoeska van de Moosdijk
- 2016 8th ENBDC Workshop on mammary gland biology and breast cancer (Weggis, Switzerland) posters (selected from abstracts) by Nika Heijmans, Anoeska van de Moosdijk, Katrin Wiese and Amber Zeeman
- 2015 SILS research day (Nika Heijmans & Katrin Wiese, poster prize)
- 2015 7th ENBDC Workshop on mammary gland biology and breast cancer (Weggis, Switzerland) talk & poster (selected from abstracts) by Anoeska van de Moosdijk

Publications

Submitted/Accepted for publication/In press:

Van Schie EH, **van Amerongen R**, 'Aberrant WNT/CTNNB1 signaling as a therapeutic target in human breast cancer: weighing the evidence', under review at *Frontiers in Cell and Developmental Biology*

van der Wal T, Lambooj JP, **van Amerongen R**, 'TMEM98 is a negative regulator of FRAT mediated Wnt/beta-catenin signaling', accepted for publication in *Plos One* (preprint available at *BioRxiv*, doi: <https://doi.org/10.1101/512426>)

Latest preprints:

2019 van der Wal T, Lambooj JP, Wiese KE, **van Amerongen R** (2019), 'TMEM98 is a negative regulator of FRAT mediated Wnt/beta-catenin signalling',

Research articles:

- 2016 Jacobsen A, Heijmans N, Verkaar F, Smit MJ, Heringa J, **van Amerongen R***, Feenstra KA* (2016), 'Construction and Experimental Validation of a Petri Net Model of Wnt/ β -Catenin Signaling', *PLoS ONE* 11 (5): e0155743. doi:10.1371/journal.pone.0155743
- 2016 Boelens MC, Nethe M, Klarenbeek S, de Ruiter JR, Schut E, Bonzanni N, Zeeman A, Wientjens E, van der Burg E, Wessels L, **van Amerongen R**, Jonkers J (2016), 'PTEN Loss in E-Cadherin-Deficient Mouse Mammary Epithelial Cells Rescues Apoptosis and Results in Development of Classical Invasive Lobular Carcinoma', *Cell Reports* 16(8): 2087–2101
- 2016 van de Moosdijk AAA, **van Amerongen R** (2016), 'Identification of reliable reference genes for qRT-PCR studies of the developing mouse mammary gland', *Scientific Reports* 6:35595 DOI: 10.1038/srep35595
- 2014 Rinkevich Y, Montoro DT, Contreras-Trujillo H, Harari-Steinberg O, Newman AM, Tsai JM, Lim X, **Van-Amerongen R**, Bowman A, Januszyn M, Pleniceanu O, Nusse R, Longaker MT, Weissman IL, Dekel B. (2014), 'In Vivo Clonal Analysis Reveals Lineage-Restricted Progenitor Characteristics in Mammalian Kidney Development, Maintenance, and Regeneration', *Cell Rep.* 2014 May 22;7(4):1270-83
- 2014 Shehata M, **van Amerongen R**, Zeeman AL, Giraddi RR, Stingl J (2014), 'The influence of tamoxifen on normal mouse mammary gland homeostasis', *Breast Cancer Research* 2014, 16:411
- 2013 Lim, X, Tan SH, Koh WL, Chau RM, Yan KS, Kuo CJ, **van Amerongen R**, Klein AM and Nusse R (2013), 'Interfollicular epidermal stem cells self-renew via autocrine Wnt signaling', *Science* 342(6163): 1226-1230

- 2013 Volkenstein S, Oshima K, Sinkkonen ST, Corrales CE, Most SP, Chai R, Jan TA, **van Amerongen R**, Cheng AG and Heller S (2013), 'Transient, afferent input-dependent, postnatal niche for neural progenitor cells in the cochlear nucleus.', *Proc Natl Acad Sci U S A* 110(35): 14456-14461
- 2013 Jan, TA, Chai R, Sayyid ZN, **van Amerongen R**, Xia A, Wang T, Sinkkonen ST, Zeng YA, Levin JR, Heller S, Nusse R and Cheng AG (2013), 'Tympanic border cells are Wnt-responsive and can act as progenitors for postnatal mouse cochlear cells.', *Development* 140(6): 1196-1206
- 2013 Bowman AN, **van Amerongen R**, Palmer TD and Nusse R (2013), 'Lineage tracing with Axin2 reveals distinct developmental and adult populations of Wnt/beta-catenin-responsive neural stem cells.', *Proc Natl Acad Sci U S A* 110(18): 7324-7329
- 2012 **van Amerongen R**, Bowman AN and Nusse R (2012), 'Developmental stage and time dictate the fate of Wnt/beta-catenin-responsive stem cells in the mammary gland.', *Cell Stem Cell* 11(3): 387-400
- 2012 **van Amerongen R**, Fuerer C, Mizutani M and Nusse R (2012), 'Wnt5a can both activate and repress Wnt/beta-catenin signaling during mouse embryonic development.', *Dev Biol* 369(1): 101-114
- 2012 Walf-Vorderwulbecke, V, de Boer J, Horton SJ, **van Amerongen R**, Proost N, Berns A and Williams O (2012), 'Frat2 mediates the oncogenic activation of Rac by MLL fusions.', *Blood* 120(24): 4819-4828
- 2010 **van Amerongen R**, Nawijn MC, Lambooij JP, Proost N, Jonkers J and Berns A (2010), 'Frat oncoproteins act at the crossroad of canonical and noncanonical Wnt-signaling pathways.', *Oncogene* 29(1): 93-104
- 2005 **van Amerongen R**, Nawijn M, Franca-Koh J, Zevenhoven J, van der Gulden H, Jonkers J and Berns A (2005), 'Frat is dispensable for canonical Wnt signaling in mammals.', *Genes Dev* 19(4): 425-430
- 2004 **van Amerongen R**, van der Gulden H, Bleeker F, Jonkers J and Berns A (2004), 'Characterization and functional analysis of the murine Frat2 gene.', *J Biol Chem* 279(26): 26967-26974
- 2002 Scheffer GL, Reurs AW, Jutten B, Beiboer SH, van Amerongen R, Schoester S, Wiemer EA, Hoogenboom HR and Scheper RJ (2002), 'Selection and characterisation of a phage-displayed human antibody (Fab) reactive to the lung resistance-related major vault protein.', *Br J Cancer* 86(6): 954-962
- 2001 Chan, MF*, **van Amerongen R***, Nijjar T, Cuppen E, Jones PA and Laird PW (2001), 'Reduced rates of gene loss, gene silencing, and gene mutation in Dnmt1-deficient embryonic stem cells.', *Mol Cell Biol* 21(22): 7587-7600
- 1999 Jonkers J, **van Amerongen R**, van der Valk M, Robanus-Maandag E, Molenaar M, Destree O and Berns A (1999), 'In vivo analysis of Frat1 deficiency suggests compensatory activity of Frat3.', *Mech Dev* 88(2): 183-194

Reviews, Perspectives and Opinion pieces:

- 2018 Wiese KE, Nusse R, **van Amerongen R** (2018), 'Wnt signalling: conquering complexity', *Development* 2018 145: dev165902 doi: 10.1242/dev.165902 Published 26 June 2018
- 2016 Loh KM, **van Amerongen R**, Nusse R (2016), 'Generating cellular diversity and spatial form: Wnt Signaling and the Evolution of Multicellular Animals', *Developmental Cell* 38(6): p643–655
- 2016 Lloyd-Lewis B, van de Moosdijk AAA, Bentires-Alj M, Clarke RB, **van Amerongen R** (2016), 'Complexity galore: 3D cultures, biomechanics and systems medicine at the eighth ENBDC workshop "Methods in Mammary Gland Development and Cancer"', *Breast Cancer Res* (2016) 18: 115
- 2015 Glukhova MA, Hynes N, Vivanco M dM, **van Amerongen R**, Clarke RB and Bentires-Alj M (2015), 'The seventh ENBDC workshop on methods in mammary gland development and cancer', *Breast Cancer Research* 17:119
- 2014 Kemper K, de Goeje PL, Peeper DS, **van Amerongen R** (2014), 'Phenotype Switching: Tumor Cell Plasticity as a Resistance Mechanism and Target for Therapy', *Cancer Res.* 2014 Nov 1;74(21):5937-41. Epub 2014 Oct 15
- 2014 **van Amerongen R** (2014), 'Bipotent mammary stem cells: now in amazing 3D', *Breast Cancer Research* 2014, 16:480

- 2013 **van Amerongen R**, and Berns A (2013), 'Break the loop, escape the cycle?', *EMBO J* 32(14): 1967-1969
- 2012 Verkaar F, Cadigan KM and **van Amerongen R** (2012), 'Celebrating 30 years of Wnt signaling.', *Sci Signal* 5(254): mr2
- 2009 **van Amerongen R**, and Nusse R (2009), 'Towards an integrated view of Wnt signaling in development.', *Development* 136(19): 3205-3214
- 2008 **van Amerongen R**, Mikels A and Nusse R (2008), 'Alternative wnt signaling is initiated by distinct receptors.', *Sci Signal* 1(35): re9
- 2008 **van Amerongen R** and Berns A (2008), 'Targeted anticancer therapies: mouse models help uncover the mechanisms of tumor escape.', *Cancer Cell* 13(1): 5-7
- 2006 **van Amerongen R** and Berns A (2006), 'TXR1-mediated thrombospondin repression: a novel mechanism of resistance to taxanes?', *Genes Dev* 20(15): 1975-1981
- 2006 **van Amerongen R** and Berns A (2006), 'Knockout mouse models to study Wnt signal transduction.', *Trends Genet* 22(12): 678-689
- 2005 **van Amerongen R** and Berns A (2005), 'Re-evaluating the role of Frat in Wnt-signal transduction.', *Cell Cycle* 4(8): 1065-1072

Book chapters:

- 2017 van de Moosdijk AA, Fu NY, Rios AC, Visvader JE, **van Amerongen R** (2017), 'Lineage Tracing of Mammary Stem and Progenitor Cells', *Methods Mol Biol.* 2017;1501:291-308
- 2015 **van Amerongen R** (2015), 'Lineage Tracing in the Mammary Gland Using Cre/lox Technology and Fluorescent Reporter Alleles', *Methods Mol Biol.* 2015;1293:187-211
- 2014 Green J, Nusse R, **van Amerongen R** (2014), 'The role of ryk and ror receptor tyrosine kinases in Wnt signal transduction.', *Cold Spring Harb Perspect Biol.* 2014 Feb 1;6(2). Pii: a009175.
- 2012 **van Amerongen R** (2012), 'Alternative Wnt pathways and receptors.', *Cold Spring Harb Perspect Biol* 4(10)

For a complete overview of my scientific publication and citation record:



Visit my Google scholar profile at <https://scholar.google.nl/citations?hl=nl&user=zdq7fBIAAAAJ>

To read my PhD thesis:



<http://dare.uva.nl/document/17683>

Teaching

- 2014 – Supervisor/Examiner/Assessor of BSc and MSc literature theses
- 2014 – Supervisor/Examiner/Assessor of BSc and MSc internship students

Minor coordination:

- 2020 – Minor Biomedical Sciences: From basic biology to booming business
(offered (inter)nationally as an elective from academic year 2020 – 2021 onwards)

Track coordination:

- 2015 – Frontiers in Medical Biology
(elective track for 3rd year BSc students Biomedische Wetenschappen)

Course coordination:

- 2015 – 'Frontiers in Medical Biology I'
(3rd year BSc students Biomedische Wetenschappen)

2014 – 'Current Issues in Developmental Biology'
(1st and 2nd year MSc Biomedical sciences students)

Course/Track development and design:

2018 – 2019 Contributed to course design for Shaping a human
(part of the new Developmental and Therapeutic Biology track)

2018 – 2019 Devised and implemented a new practical for 'Advanced Genomics' course, focusing on
regeneration in Planarians

2018 – 2019 Devised and implemented a new practical/tutorial in the form of a computer game to model
stem cell dynamics (supported by a Grassroots grant from the University of Amsterdam,
together with Gooitzen Zwanenburg)

2017 – 2018 Devised and implemented a new practical/tutorial in the form of a board game to model
stem cell dynamics

2014 – 2015 New elective track for 3rd year BSc students, 'Frontiers in Medical Biology'
(started in 2015 – 2016)

2013 – 2014 New elective course for 1st and 2nd year MSc students, 'Current Issues in Developmental
Biology' (started in 2014 – 2015, together with dr. Yelena Budovskaya)

Lecturer/Instructor:

2013 – MSc program 'Biomedical Sciences' (UVA)
MSc1: - Molecular Biology of the Cell (all Biomedical Sciences tracks)
- Biomedical Systems Biology (Medical Biochemistry and Biotechnology track)
- Shaping a human (Developmental and Therapeutic Biology track)
- Clinical Cell Biology (Cell Biology and Advanced Microscopy & Oncology tracks)
MSc1/2: - Current Issues in Developmental Biology (all Biomedical Sciences tracks)

2013 – BSc program 'Biomedische Wetenschappen' (UVA)
BSc1: - Highlight college 'Van mens tot molecuul'
- Highlight college 'Muismodellen'
BSc2: - Molecular Systems Biology (honors program)
- Cellulaire Oncologie
BSc3: - Genregulatie
- Frontiers in Medical Biology I
- Frontiers in Medical Biology II
- Advanced Genomics I
- Advanced Genomics II

BSc program 'beta/gamma' (UVA)
BSc1: - Keerpunten in de Natuurwetenschappen

2013 – 2018 MSc program 'Biomedical Sciences' (UVA)
BSc3: - Moleculaire Medische Biologie

Guest lecturer:

2018	Guest lecture 'Wnt-responsive stem cells' (Leiden University, MSc Frontiers of Science course 'Stem Cells', coordinator: Dr. Harald Mikkers)
2018	Guest lecture 'modeling stem cell dynamics' Hogeschool Leiden, Bioinformatica (together with Gooitzen Zwanenburg)
2018	Guest lecture 'Organoids from the mammary gland' (Utrecht University, MSc/PhD course 'Intro to Stem Cells', coordinator: Dr. Koen Braat)
2017	Guest lecture 'Wnt signaling, stem cells, (mammary) development and (breast) cancer' (VU Amsterdam, MSc course 'Developmental Biology', coordinator: Dr. Ronald Koes)
2017	Guest lecture 'ontwikkelingsbiologie en stamcellen: van kikkers tot borstkanker' (Leiden University, BSc course 'Developmental Biology', coordinator: Dr. Anna-Pavlina Haramis)
2015 –	Annual guest lecture 'Wnt signaling in (mammary) development and (breast) cancer' (VU Amsterdam, MSc course 'Signal Transduction in Health and Disease, coordinator: Dr. Martine Smit)
2015	Guest lecture 'Stem cells and regenerative medicine' (graduate school Systems Biology, course on 'Personalized medicine', coordinator: Dr. Hans Westerhoff)
2014 –	Annual guest lecture 'Stem cells and Breast Cancer' (Erasmus University Rotterdam, 3 rd year medical students, research minor 'Biomedical Research in Practice', coordinator: Dr. Derk ten Berge)

Mentoring

2013 –	Supervising postdocs, PhD students, technicians & BSc/MSc internship students in my own research team
1999 – 2013	Supervised multiple students (HBO, BSc and MSc), technicians and PhD students at the Netherlands Cancer Institute (NKI) and Stanford University

Current research team:

Larissa Mourao	postdoc	01/2018 – present
Tanne van der Wal	PhD student	10/2019 – present
Yorick van de Grift	PhD student	02/2017 – present
Saskia de Man	PhD student	09/2016 – present
Amber Zeeman	technician	11/2013 – present (permanent staff since 11/2018)
Zino Groen	MSc student	01/2020 - present

Alumni:

	when:		awards/next career step:
Katrin Wiese	01/2015 – 12/2019	postdoc	MSCA-IF, Veni
Nika Heijmans	10/2014 – 10/2019	PhD student	
Anoeska van de Moosdijk	03/2014 – 12/2018	PhD student	management assistant, UVA

Visiting scientists

	when:	
Cátia Rodrigues Pereira	2017	Erasmus Exchange student from Portugal
Tanne van der Wal	2017	junior guest researcher

MSc internship students

	when:	went onto:
Rianne Schoon	2018 – 2019	internship at AMC, Amsterdam, the Netherlands
Sanne Lith	2017 – 2018	internship at Max Planck, Münster, Germany
Isabel Morena	2017 – 2018	internship at NKI, Amsterdam, the Netherlands
Katja Klooster	2017 – 2018	Science and Society major, VU

Lieve Oudejans	2016 – 2017	internship at Oxford University, UK
Francesca Catto	2015 – 2016	internship at PRBB (IMIM), Barcelona, Spain
Lotte Hofstee	2015 – 2016	internship at Sanquin, Amsterdam
Jelte Hermans	2015 – 2016	Tesla minor, UVA
Bastiaan van den Berg	2014 – 2015	internship at Rockefeller University, USA
Saskia de Man	2014 – 2015	internship at CNRS, Paris, France
Anika Bongaarts	2014 – 2015	PhD student at AMC, Amsterdam
<i>BSc internship students</i>	<i>when:</i>	<i>went onto:</i>
Kyah van Meegesens	2018 – 2019	MSc Biomedical Sciences, UVA
Delano Sanches	2018 – 2019	MSc Biomedical Sciences, UVA
Beau Neep	2018 – 2019	MSc Biomedical Sciences, UVA
Marius Messenmaker	2017 – 2018	MSc Cancer, Stem cells & Developmental Biology, UU
Roan van Scheppingen	2017 – 2018	MSc Cancer, Stem cells & Developmental Biology, UU
Jasmijn Span	2017 – 2018	MSc Biomedical Sciences, UVA
Britt van der Swaan	2016 – 2017	MSc Biomedical Sciences, UVA
Nicolaas Boon	2016 – 2017	MSc Biomedical Sciences, UVA
Tanne van der Wal	2015 – 2016	extracurricular courses in Toronto, Canada
Vivienne Woo	2014 – 2015	PhD student, University of Cincinnati, USA
Tessa Hemrika	2013 – 2014	MSc Biomedical Sciences, UVA

Professional Memberships

2014 –	European Network of Breast Development and Cancer labs (ENBDC)
2014 –	Dutch Society for Developmental Biology
2013 –	Dutch Society for Cell Biology

Service

Boards and committees:

2020 –	Executive Board of the “Stichting tot het bevorderen van het onderzoek in de Biochemie”
2019 –	Editorial board member of the Journal for Mammary Gland Biology and Neoplasia (editor in chief: Dr. Russ Hovey)
2014 –	Elected member of the ENBDC organizing committee (European Network of Breast Development and Cancer Labs)
2014 – 2019	Editorial board member of the popular scientific magazine ‘Amsterdam Science’
2000 – 2002	Member of the PhD student council (Netherlands Cancer Institute)
1997 – 1998	President of the biology undergraduate student council (VU, Amsterdam)

Institutional service:

2017	Klankbordgroep Leiderschap voor Wetenschappelijk Personeel
2015 –	Twice a year I give a talk about ‘Fundamenteel onderzoek naar stamcellen en kanker’ at the ‘voorlichtingsdag Biomedische Wetenschappen’ for highschool students
2014	Member on Innovation Committee to advise the dean of the Faculty of Science

PhD thesis committees (external):

- 2019 External evaluator for the PhD thesis of Johanna Wagner
University of Zurich, Switzerland (PI: Dr. Bernd Bodenmiller)
- 2019 Member of the thesis defense committee of Koen van Oost
Utrecht University (PI: Dr. Hugo Snippert, 4 June 2019)
- 2019 Member of the thesis defense committee of Nicola Fenderico
Utrecht University (PI: Dr. Madelon Maurice, 17 January 2019)
- 2018 Member of the thesis committee and chair of the defense committee of Virginia Murillo
(PI: Dr. Robert Kypta, CICbioGUNE, Bilbao, Spain)
- 2017 – 2019 Member of the thesis committee of Alexandra Musch
(PI: Dr. Momo Bentires-Alj, University of Basel, Switzerland)
- 2017 Expert member of the thesis defense committee of Aline Wuidart
University of Brussels, Belgium (PI: Dr. Cedric Blanpain, December 2017)
- 2017 External examiner PhD viva of Alessandra Merenda
Cambridge University, UK (PI: Dr. Bon-Kyoung Koo, June 2017)
- 2016 – 2019 Member of the thesis committee of Dana Elster
(PI: Dr. Björn von Eyss, Leibniz Institute on Aging, Jena, Germany)
- 2015 Member of the thesis committee of Azra Mujic-Delic
Vrije Universiteit (VU) Amsterdam (PI: Dr. Martine Smit)
- 2012 Member of the thesis defense committee of Elvira Bakker
Erasmus University Rotterdam (PI: Dr. Ron Smits)

PhD thesis committees (internal):

- 2019 Member of the thesis committee of Harm van Andel
(PI: Dr. Steven Pals, AMC – University of Amsterdam, 25 April 2019)
- 2018 Member of the thesis committee of Blaise Weber
(PI: Dr. Maïke Stam, SILS, FNWI – University of Amsterdam)
- 2015 Member of the thesis committee of Marco Lezzerini
(PI: Dr. Yelena Budovskaya, SILS, FNWI – University of Amsterdam)

Reviewing (grant agencies and institutions):

- 2019 Review panel / Beoordelingscommissie NWO ENW VENI
- 2018 External member of the review board for IC-3i PhD program, Curie Institute, France
(candidate selection)
- 2017 – Independent Expert Reviewer European Commission
(H2020-MSCA-IF-2017, H2020-MSCA-IF-2018)
- 2016 Review panel / Beoordelingscommissie NWO ALW open programma
- 2013 – Expert Reviewer for various grant and fellowship applications
National: KIKA, KWF kankerbestrijding, Longfonds
International: AICR/Worldwide Cancer Research, HFSP, FWO (Belgium), ANR (France),
Royal Society (UK, Dorothy Hodgkin Fellowships), Wellcome Trust (UK),
Breast Cancer Now (UK),

Reviewing (journals):

- 2013 – Nature, Nature Cell Biology, Nature Communications, Cell Stem Cell, Developmental Cell,
Cancer Cell, Cell Reports, Scientific Reports, British Journal of Pharmacology, Breast Cancer
Research (and others)

Editing:

- 2015 – 2016 Guest editor (together with Walter Birchmeier)
Special issue of the open access journal 'Cancers' focusing on 'Wnt signaling in cancer'
- 2011 – 2012 Editor (together with Roel Nusse and Xi He)
CSHL monograph 'Wnt-signaling' (ISBN 978-1-936113-23-1)

Science policy and career development:

- 2019 Organizer & chair of the 'Power Hour', 2019 Gordon Research Conference on Wnt signaling
- 2018 Small group discussions with PhD students and postdocs at the SILS Career Lunch (theme: 'Navigating Academia')
- 2015 Participated in the Science for Science conference (Nationale Wetenschapsagenda) (question #137 on the final agenda is mine)
- 2015 Participant in panel discussion on 'Academia versus Industry' (BCF Career Event, Rai, Amsterdam, the Netherlands)
- 2011 Participant in panel discussion on the future of research financing (KWF 'Kennispodium', Leiden, the Netherlands)

Science Communication & Outreach

Collaborations with artists/designers:

- 2019 Podcast with Roos Meerman and Sabine Winters, KunstLAB Arnhem (expected publication date: 2020)
- 2019 Masterclass for artists and designers on molecular, cell and tissue biology ("Making the invisible visible", 12 November 2019, Arnhem, <https://fillipstudios.com>)
- 2018 Contributed to 'Universe: Facts in a post-truth era' by photographer Jos Jansen
- 2017 Fluid Matter Special: Workshop on Biomimicry/How nature can inspire design (with designers Lilian van Daal and Roos Meerman), MU gallery, Eindhoven
- 2016 Winner of the Bioart and Design Award competition (ZONMW/NWO) together with artists/designers Lilian van Daal and Roos Meerman; developed the exhibit 'Dynamorphosis: the beauty of inner mechanisms' (<http://roosmeerman.com/project/dynamorphosis>)
- Participant in the Bioart and Design Award competition (ZONMW/NWO),
- 2015 worked with Isaac Monté (<http://ateliermonte.com/pages/the-art-of-deception>)

Public lectures:

- 2020 Chemische Kring Rotterdam on CRISPR/Cas9 genome editing (*scheduled for 13 Januari 2020*)
- 2019 Wakker Worden Kinderlezing at the NEMO Science Center ("Hoe oud kan ik worden?", kids lecture, 15 December 2019)
- 2019 Lezing 'Fundamenteel onderzoek naar stamcellen en regeneratie', Week van de Biologie, for high school biology teachers and their students
- 2019 'Evolutie zit in ons DNA': Talk about evo-devo, gene regulation and CRISPR/Cas9 at the 33rd NIBI conference 'Evolutie in Actie' for high school biology teachers from all over the Netherlands (12 January 2019)
- 2015 Talk at SPU125 (part of VSNU U-meet in the week prior to "Weekend van de Wetenschap" ("Biologie in de 21^e eeuw: Het verborgene zichtbaar maken"))
- 2015 Wakker Worden Kinderlezing at the NEMO Science Center ("Hoe werkt zonnebrandcrème?", kids lecture)

Popular scientific writing:

- 2019 'Een vervlochten stamboom? Wat DNA ons leert over het leven', De Nederlandse Boekengids, 2019 #5, (book review/perspective)
<https://www.nederlandseboekengids.com/20190830-renee-van-amerongen/>
- 2017 'Then and now', Amsterdam Science Magazine, 6th issue
(perspective, on the impact of 'On Growth and Form' by D'Arcy Wentworth Thompson)
- 2016 'Flexibility' (column/opinion piece), Amsterdam Science Magazine, 3rd issue
- 2015 'Then and now' Amsterdam Science Magazine, 1st issue
(perspective, on the impact of the Nobel-prize winning research of Jacob and Monod)

Other:

- 2018 Letters to a Pre-Scientist (pen pal to inspire school girls/boys about STEM topics)
- 2017 Skype A Scientist (video chat with a school class in Illinois, USA about science and cells)
- 2017 What's Next with Robbert Dijkgraaf in Tuschinski (Panel Discussion on the future of science, on the occasion of the 385th anniversary of the University of Amsterdam)
- 2017 Local organizer March For Science & contributor to the scientific program (poster on basic life sciences research in one of the 'teach-in tents' at the Museumplein, Amsterdam)
- 2016 Chair of the selection panel for the FameLab competition (Amsterdam heat)
- 2015 Interactive exhibit during the "Museumnacht" at NEMO Science Center on the use of fluorescence in biomedical research
- 2015 Participated in the BetaQuiz at the UVA Universiteitsdag

Media, Press and Publicity

Written press:

- 2019 Volkskrant (11 Jan 2019), "Die ene cel waardoor het hart zichzelf kan repareren... die bestaat niet" by Nienke Zoetbrood, interviewed to explain basics of stem cell research in a piece on the research of Hans Clevers
- 2016 Volkskrant (13 Feb 2016), "Het leven in eigen hand" by Maarten Keulemans, interviewed on the use of CRISPR genome editing technology in scientific research
- 2015 Parool (21 Feb 2015), "Het talent" by Jim Jansen, short profile on my career

Radio and TV:

- 2016 Wekker Wakker, Omroep Max, Radio 5 (30 Sep 2016)
Short interview about the buzz around Jennifer Doudna and CRISPR in the week before the announcement of the Nobel Prizes
- 2014 Arte TV, six-minute portrait broadcast throughout Europe as part of Arte's "Europortrait series" (<http://www.vanamerongenlab.nl/arte/>)

Non-academic Training

- 2019 Workshop "Science Writing and Editing" with Ronald Veldhuizen (1 afternoon)
- 2014 Course "Cabaret 2.0" with Elisabeth Boor, de Theaterkamer (8 weeks)
- 2013 Course "Cabaret 1.0" with Elisabeth Boor, de Theaterkamer (8 weeks)
- 2013 Course "Liedschrijven" with Thijs Maas, Griffioen (6 weeks)
- 2011 Workshop "Creative writing" with Sharon Bray, Stanford University School of Medicine (3 evenings)
- 2009 Screenwriting course "Writing for the movies" with Carl Yorke, Stanford University Continuing Studies (10 weeks)
- 2004 – 2007 Theater school "De Trap" (3 years of professional training, graduated in June 2007; teachers: Leon Voorberg, Bert Geurkink, Peter Eversteyn, Coney van Manen, Lidy Six, Truus de Selle, Michel van Dousselaere, Peter van Roermund and Feline Koolwijk)

Non-academic Achievements and Skills

Theater, Television and Film:

- 2017 – Text and lyrics advisor for cabaret/kleinkunst
(‘Deugzucht’ by Marjolein De Graaff; season 2017-2018 and 2018-2019)
- 2014 – 2015 ‘Amsterdams Kleinkunst Festival’
(competition for the ‘Wim Sonneveldprijs’ 2015; audience award 3rd round)
- 2012 Active participant in the Entertainment Experience with Paul Verhoeven
(including a television interview broadcast on national TV by Veronica)
- 2006 – 2011 Various speaking and non-speaking parts in theater plays in both the Netherlands and the United States (including ‘De Sterkste’ – directed by Hanneke Braam, ‘l’Histoire du Soldat’ – directed by Ileana Drinovan and ‘Libation Bearers’ – directed by Rush Rehm)

Languages:

Dutch (native)
English (full professional fluency in reading and writing)
German (intermediate)
R (beginner)

Skills:

Webpage design (HTML/CSS, Dreamweaver, WordPress)
Flute (8 years classical training)
Piano (self-taught)
Songwriting (lyrics and music)