

Renée van Amerongen

scientist



Education

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

Professional Appointments and Employment

2017 – Associate professor (awarded tenure in February 2017),
Swammerdam Institute for Life Sciences, University of Amsterdam, NL
2013 – 2017 Assistant professor (tenure track),
Swammerdam Institute for Life Sciences, University of Amsterdam, NL
2011 – 2013 Senior postdoctoral fellow with Dr. Daniel Peeper, 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 Chair of the 2018 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*

Grants and Fellowships

Main applicant:

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:

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:

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 seminars

2019 Stem Cell Institute, KU Leuven, Belgium (host: Willy Oliveira)
scheduled for 27 May 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)
"Dissecting the role of Wnt signaling in mammary gland development and breast cancer"

2015 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)

- 2012 "Novel insights into the origin & identity of mammary gland stem cells"
European Research Institute for the Biology of Aging, Universitair Medisch Centrum Groningen (UMCG), Netherlands (host: Dr. G. de Haan)
- 2012 "Novel insights into the origin & identity of mammary gland stem cells"
Erasmus Stem Cell Institute, Rotterdam, The Netherlands (host: Dr. E. Dzierzak)
- 2012 "Novel insights into the origin & identity of mammary gland stem cells"
Cambridge Stem Cell Institute, Cambridge, UK (host: Dr. A. Smith)
- 2012 "Novel insights into the origin & identity of mammary gland stem cells"
Universitair Medisch Centrum (UMC), Utrecht, The Netherlands (host: Dr. M. Maurice)
- 2012 "Novel insights into the origin & identity of mammary gland stem cells"
Academisch Medisch Centrum (AMC), Amsterdam, The Netherlands (host: Dr. S. Pals)
- 2007 "Resolving the role of Frat in Wnt signal transduction"
Max Delbrück Center for Molecular Medicine, Berlin, Germany (host: Dr. W. Birchmeier)
- 2006 "Resolving the role of Frat in Wnt signal transduction"
Stanford University, Stanford, CA, USA (host: Dr. R. Nusse)
- 2005 "The mouse trap: Resolving the role of Frat in Wnt signal transduction"
Baylor College of Medicine, Houston, TX, USA (host: Dr. D. Roop)

Conferences, Meetings and Symposia

Organization and chairing:

- 2019 Gordon Research Conference on Wnt signaling
(Stowe, VT, USA, session chair; *scheduled for August 2019*)
- 2018 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)

Invited talks:

- 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, Netherlands)
- 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, talk)
"Conditional gene manipulation in three-dimensional mammary organoid cultures"
- 2014 AIMMS annual meeting, Vrije Universiteit (VU), Amsterdam, Netherlands
"Tracking the developmental fate of Wnt-responsive stem cells"
- 2013 5th ENBDC Workshop on mammary gland biology and breast cancer

- "Lineage tracing in the mammary gland: principles, promises and pitfalls"
(European Network of Breast Development and Cancer Labs, Weggis, Switzerland)
- 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 Trippenhuys 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?"

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"

Oral presentations selected from abstracts:

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

Poster presentations selected from abstracts:

- 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 selected from abstracts & presented by team members (highlights only):

- 2018 Wnt meeting (Heidelberg, Germany)
posters by Katrin Wiese, Nika Heijmans, Anoeska van de Moosdijk (poster prize),
Amber Zeeman, Saskia de Man, Yorick van de Grift, Larissa Mourao
- 2018 Gordon Research Conference (Il Ciocco, Italy)
poster and flash talk by Katrin Wiese
- 2017 SILS research day (Amber Zeeman, poster prize)
- 2017 9th ENBDC Workshop on mammary gland biology and breast cancer (Weggis, Switzerland)
posters by Saskia de Man, Katrin Wiese and Amber Zeeman
- 2016 Wnt meeting (Brno, Czech Republic)
talk & poster by Anoeska van de Moosdijk
- 2016 8th ENBDC Workshop on mammary gland biology and breast cancer (Weggis, Switzerland)
posters 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 by Anoeska van de Moosdijk

Professional Memberships

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

Publications

Preprints:

- 2019 van der Wal T, Lambooi JP, Wiese KE, **van Amerongen R** (2019), 'TMEM98 is a negative regulator of FRAT mediated Wnt/beta-catenin signalling', *BioRxiv*, doi: <https://doi.org/10.1101/512426>

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, Nethé 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, Januszyk 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), 'Tympenic 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, Lambooy 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)

Popular scientific writing:

- 2017 'Then and now' (on the impact of the seminal work 'On Growth and Form' by D'Arcy Wentworth Thompson), Amsterdam Science Magazine, 6th issue
- 2016 'Flexibility' (column/opinion piece), Amsterdam Science Magazine, 3rd issue
- 2015 'Then and now' (perspective, on the impact of the Nobel-prize winning research of Jacob and Monod), Amsterdam Science Magazine, 1st issue

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

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 New practical for 'Advanced Genomics' course, focusing on regeneration in Planarians (together with Rob Dekker and Martijs Jonker)
- 2018 – 2019 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 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
- Biomedical Systems Biology
- Clinical Cell Biology
MSc1/2: - Current Issues in Developmental Biology
- 2013 – BSc program 'Biomedische Wetenschappen' (UVA)
BSc1: - Highlight college 'Muismodellen'
BSc2: - Molecular Systems Biology (honors program)
- Cellulaire Oncologie
BSc3: - Moleculaire Medische Biologie
- Genregulatie
- Frontiers in Medical Biology I
- Frontiers in Medical Biology II

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, 3rd year medical students, 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	postdoctoral fellow	01/2018 – present
Katrin Wiese	postdoctoral fellow	01/2015 – present (permanent staff since 01/2019)
Yorick van de Grift	PhD student	02/2017 – present
Saskia de Man	PhD student	09/2016 – present
Nika Heijmans	PhD student	10/2014 – present
Amber Zeeman	technician	11/2013 – present (permanent staff since 11/2018)
Rianne Schoon	MSc internship	2018 – 2019

Alumni:

<i>PhD students</i>	<i>when:</i>	<i>next career step:</i>
Anoeska van de Moosdijk	03/2014 – 12/2018 (<i>PhD defense tbd</i>)	management assistant, UVA

<i>MSc internship students</i>	<i>when:</i>	<i>went onto:</i>
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
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
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>
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

<i>Visiting scientists</i>	<i>when:</i>	<i>capacity:</i>
Cátia Rodrigues Pereira	2017	Erasmus Exchange student from Portugal
Tanne van der Wal	2017	junior guest researcher

Service

Boards and committees:

2014 –	Elected member of the ENBDC organizing committee (European Network of Breast Development and Cancer Labs)
2014 –	Editorial board member 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
2014	Member on Innovation Committee to advise the dean of the Faculty of Science

PhD thesis committees (external):

2019	Member of the thesis defense committee of Nicola Fenderico Utrecht University (PI: Dr. Madelon Maurice, <i>scheduled for January 2019</i>)
2018	Member of the thesis committee and chair of the defense committee of Virginia Murillo (PI: Dr. Robert Kypta, CICbioGUNE, Bilbao, Spain)
2017 –	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 –	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):

2018	Member of the thesis committee of Harm van Andel (PI: Dr. Steven Pals, AMC – University of Amsterdam, <i>scheduled for April 2019</i>)
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, <i>scheduled for spring 2019</i>
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/fellowship applications National: KIKA, KWF kankerbestrijding, Longfonds

International: AICR/Worldwide Cancer Research, FWO (Belgium), ANR (France), HFSP, Wellcome Trust (UK), Breast Cancer Now (UK), Royal Society, UK (Dorothy Hodgkin Fellowships)

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 other journals*)
2000 - 2013 Co-reviewer with my PIs for Nature, Cell, Genes and Development (*and other journals*)

Guest 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 Communication & Outreach

Collaborations with artists/designers:

2018 Contributed to 'Universe: Facts in a post-truth era' by photographer Jos Jansen
Fluid Matter Special: Workshop on Biomimicry/How nature can inspire design
2017 (with designers Lilian van Daal and Roos Meerman), MU gallery, Eindhoven
Winner of the Bioart and Design Award competition (ZONMW/NWO) together with
2016 artists/designers Lilian van Daal and Roos Meerman; developed the exhibit
'Dynamorphosis: the beauty of inner mechanisms'
(<http://roosmeerman.com/project/dynamorphosis>)
2015 Participant in the Bioart and Design Award competition (ZONMW/NWO),
worked with Isaac Monté (<http://ateliermonte.com/pages/the-art-of-deception>)

Public lectures:

2019 Wakker Worden Kinderlezing at the NEMO Science Center (*scheduled for 15 December 2019*)
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 (*scheduled for 12 January 2019*)
2015 – Twice a year I give a talk about 'Fundamenteel onderzoek naar stamcellen en kanker' at the
'voorlichtingsdag Biomedische Wetenschappen' for highschool students
2015 Talk at SPUI25 (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 ("How does sunscreen work?",
kids lecture)

Exhibits and panel discussions:

2017 What's Next with Robbert Dijkgraaf in Tuschinski (385th UvA anniversary)
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)
2015 Interactive exhibit during the "Museumnacht" at NEMO Science Center
on the use of fluorescence in biomedical research

Science policy and career development:

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 at the BCF career event on 'Academia versus Industry'
- 2011 Participant in panel discussion on the future of research financing (KWF 'Kennispodium')

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)
- 2016 Chair of the selection panel for the FameLab competition (Amsterdam heat)
- 2015 Invited to contribute an image for the 2016 Scientific Calendar of the German 'Young Academy' (die Junge Akademie)
- 2015 Participated in the BetaQuiz at the UVA Universiteitsdag

Press and Publicity

- 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
- 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
- 2014 Arte TV, six-minute portrait broadcast throughout Europe as part of Arte's "Europortrait series" (<http://www.vanamerongenlab.nl/arte/>)

Additional Scientific Training and Qualifications

- 2015 – 2016 Career coaching for VIDI laureates (UVA, Centrum voor nascholing)
- 2015 BKO certificate (basiskwalificatie onderwijs, university teaching qualification)
- 2012 EMBO laboratory management course for independent group leaders (4 days, Heidelberg, Germany)
- 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)

Non-scientific Training

- 2008 – 2015 Various non-scientific writing/performance workshops and courses in both the Netherlands and the United States (including creative writing, screenwriting, songwriting and 'kleinkunst'/cabaret; teachers include Elisabeth Boor, Thijs Maas and Carl Yorke)
- 2004 – 2007 Theater school "De Trap" (professional training, graduated in June 2007; teachers include Leon Voorberg, Bert Geurkink, Peter Eversteyn, Coney van Manen, Lidy Six, Truus de Selle, Michel van Dousselaere, Peter van Roermund and Feline Koolwijk)

Non-scientific Achievements and Skills

On Stage:

- 2017 – Text and lyrics advisor for cabaret/kleinkunst ('Deugzucht' by Marjolein De Graaff – try out tour 2017/2018)
- 2014 – 2015 'Amsterdams Kleinkunst Festival' (competition for the 'Wim Sonneveldprijs' 2015; audience award 3rd round)
- 1993 National champion & best speaker in Public Speaking Competition for Schools (topic: vampires)

TV & Film:

- 2012 Active participant in the Entertainment Experience with Paul Verhoeven (including a television interview about my screenwriting contribution, national broadcast by Veronica & winner of best game design)
- 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 (fluent)
German (intermediate)
R (beginner)

Skills:

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