

Antje Schaefer, PhD

Research Assistant Professor

University of North Carolina at Chapel Hill

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EDUCATION

- | | |
|-------------|--|
| 2004 - 2009 | PhD in Biochemistry – graduated with ‘very good’ (highest possible mark)
Max Planck Institute of Molecular Physiology Dortmund, Ruhr-University Bochum Germany |
| 2001 - 2004 | MSc in Biochemistry – ‘with honors’ (highest possible mark)
University of Bayreuth, Germany |
| 1999 – 2001 | BSc in Biochemistry
University of Greifswald, Germany |

PROFESSIONAL RESEARCH EXPERIENCE

- | | |
|----------------|--|
| 2017 – present | Research Assistant Professor – University of North Carolina at Chapel Hill, Dept. of Pharmacology, Lineberger Comprehensive Cancer Center, NC, US <ul style="list-style-type: none">○ Advisor: Channing J. Der, PhD○ Focus: RHOA mutations in diffuse gastric cancer, RHOA signaling in RAS-mutant cancer |
| 2016 – 2017 | Postdoctoral Researcher – University of North Carolina at Chapel Hill, Lineberger Comprehensive Cancer Center, NC, US <ul style="list-style-type: none">○ Advisor: Channing J. Der, PhD○ Focus: Signaling in diffuse gastric cancer |
| 2016, 5 months | Visiting Research Fellow – University of North Carolina at Chapel Hill, Dept. of Cell Biology and Physiology, Lineberger Comprehensive Cancer Center, NC, US <ul style="list-style-type: none">○ Laboratory: Keith Burridge, PhD○ In collaboration with my postdoctoral laboratory at the Sanquin Blood Institute, University of Amsterdam, The Netherlands○ Focus: Mechanobiological response of the RAC1 GTPase in inflammation |
| 2010 – 2016 | Postdoctoral Researcher – Sanquin Blood Institute, Dept. of Molecular Cell Biology, University of Amsterdam, The Netherlands <ul style="list-style-type: none">○ Advisor: Peter L Hordijk, PhD○ Focus: RHO GTPase signaling in endothelial cells and immune cells |
| 2009 | Postdoctoral Fellow – Max Planck Institute of Molecular Physiology, Dept. of Structural Biology, Dortmund, Germany <ul style="list-style-type: none">○ Advisor: Alfred Wittinghofer, PhD○ Focus: Structural analysis (crystallization) of RHO GTPases in complex with GEFs or GAPs |

- 2004 – 2009 **PhD Graduate Student – Max Planck Institute of Molecular Physiology, Dortmund, and Ruhr-University Bochum, Germany**
- Advisor: Alfred Wittinghofer, PhD
 - Dissertation: Biochemical and structural characterization of atypical GTPase-activating proteins (GAPs) of the RHO family
- 2004 **Master Thesis Student – University of Bayreuth, Dept. of Biochemistry, Germany**
- Advisor: Franz X. Schmid, PhD
 - Thesis: The folding mechanism of cold shock proteins
- 2000 **Undergraduate Research Fellow – Max Born Institute for Nonlinear Optics, Dept. of Nonlinear Processes in Condensed Matter, Berlin, Germany**
- Advisor: Thomas Elsaesser, PhD, Humboldt University Berlin
 - Project: FTIR spectroscopy studies of myoglobin

AWARDS AND FELLOWSHIPS

- 2015 **Young Investigator Award** (one of three finalists), German Society for Microcirculation and Vascular Biology, Germany
- 2015 **Research Fellowship**, Sanquin Blood Supply Foundation, The Netherlands
- 2014 **Sanquin Science Award**, Sanquin Blood Institute, The Netherlands
- 2013 **Best Poster Award**, International Conference ‘Cell Migration and Invasion in Physiology and Pathology’ of the Invadosome Consortium, Nijmegen, The Netherlands
- 2009 **Postdoctoral Research Fellowship**, Max Planck Society, Germany
- 2002 **Travel Award**, 52nd Meeting of Nobel Laureates in Natural Sciences, The Council of the Lindau Nobel Laureate Meetings, Germany
- 2000 **Undergraduate Research Fellowship**, Gottfried Wilhelm Leibniz Research Association, Germany

PUBLICATIONS

REFEREED JOURNALS

1. Huynh MV, Hobbs GA, **Schaefer A**, Pierobon M, Carey LM, Diehl JN, DeLiberty JM, Thurman RD, Cooke AR, Goodwin CM, Cook JH, Lin L, Waters AM, Rashid NU, Petricoin E, Campbell S, Haigis K, Simeone DM, Lyssiotis CA, Cox AD, Der CJ. Functional and biological heterogeneity in KRAS^{Q61} mutations. *Science Signaling*, 2022, *in press*.
2. **Schaefer A** and Der CJ, RHOA takes the RHOad less traveled to cancer. *Trends in Cancer*, 2022, doi: 10.1016/j.trecan.2022.04.005, *in press*.
3. Javaid S, **Schaefer A**, Goodwin CM, Nguyen VV, Massey FL, Pierobon M, Gambrell-Sanders D, Waters AM, Lambert KN, Diehl JN, Hobbs GA, Wood KC, Petricoin E, Der CJ, Cox A. Concurrent inhibition of ERK and farnesyltransferase suppresses the growth of HRAS-mutant head and neck squamous cell carcinoma. *Molecular Cancer Therapeutics*, 21:762-774, 2022.
Highlighted in the Editorial Section of the Issue.
4. Cook DR, Kang M, Martin TD, Galanko JA, Loeza GH, Trembath DG, Justilien V, Pickering KA, Vincent DF, Jarosch A, Jurmeister P, Waters AM, Hibshman PS, Campbell

AD, Ford CA, Keku TO, Yeh JJ, Lee MS, Cox AD, Fields AP, Sandler RS, Sansom OC, Sers C, **Schaefer A**[#], Der CJ[#]. Aberrant expression and subcellular localization of ECT2 drives colorectal cancer progression and growth. *Cancer Research* 82:90-104, 2022.

co-last and co-corresponding authors

5. Waters AM, Khatib TO, Papke B, Goodwin CM, Hobbs GA, Diehl JN, Walsh KH, Sulahian R, McFarland JM, Kapner KS, Gilbert TSK, Stalneck CA, Javaid S, Barkovskaya A, Grover KR, Blake DR, **Schaefer A**, Nowak KM, Klomp JE, Hayes TK, Kassner M, Tang N, Tanaseichuk O, Chen K, Zhou Y, Herring LE, Graves LM, Yin H, Aguirre AJ, Hahn WC, Cox AD, Der JD. Targeting p130Cas- and microtubule-dependent MYC regulation sensitizes pancreatic cancer to ERK-MAPK inhibition. *Cell Reports* 35:109291-109310, 2021.
6. Hodge RG^{*}, **Schaefer A**^{*,#}, Howard SV, Der CJ. RAS and RHO family GTPase mutations in cancer: twin sons of different mothers?. *Crit Rev Biochem Mol Biol* 55:386-407, 2020.
*** co-first authors, # corresponding author**
7. Arrington ME, Temple B, **Schaefer A**, Campbell SL. The molecular basis for immune dysregulation by the hyper-activated E62K mutant of the GTPase RAC2. *J Biol Chem*. 295:12130-12142, 2020.
8. Ozkan-Dagliyan I, Diehl JN, George SD, **Schaefer A**, Papke B, Kloty-Noack K, Waters AM, Goodwin CM, Gautam P, Pierobon M, Peng S, Gilbert TSK, Lin KH, Dagliyan O, Wennerberg K, Petricoin EF, Tran NL, Bhagwat SV, Tiu RV, Peng SB, Herring LE, Graves LM, Sers C, Wood KC, Cox AD, Der JD. Low-dose vertical inhibition of the RAF-MEK-ERK cascade causes apoptotic death of KRAS mutant cancers. *Cell Reports* 31:107764 e1-e9, 2020.
9. Zhang H^{*}, **Schaefer A**^{*}, Wang, Y, Hodge RG, Blake DR, Diehl JN, Papageorge AG, Stachler M, Liao J, Zhou J, Pierbon M, Hoeadley KA, Wang TC, Church G, Wong KK, Petricoin EF, Cox, AD, Lowy DR, Der CJ^{**}, Bass AJ^{**}. Gain-of-function RHOA mutations promote focal adhesion kinase activation and dependency in diffuse gastric cancer. *Cancer Discovery*, 10:288-305, 2020.
*** co-first authors, ** co-corresponding authors**
Highlighted in the Editorial Section and in the article "A New Rho(d) Map to Diffuse Gastric Cancer", Benton D & Chernoff J, Cancer Discovery 10:182-184, 2020.
10. Kroon J, **Schaefer A**, van Rijssel J, Hoogenboezem M, van Alphen F, Hordijk PL, Stroes ESG, Stroemblad S, van Rheenen J, van Buul JD. Inflammatory-sensitive Myosin-X functionally supports leukocyte extravasation by Cdc42-mediated ICAM-1-rich endothelial filopodia formation. *J Immunol*, 200:1790-1801, 2018.
11. **Schaefer A**^{#,*} van Duijn TJ, Majolee J, Burrige K, Hordijk PL^{*}. Endothelial CD2AP binds the receptor ICAM-1 to control mechanosignaling, leukocyte adhesion, and the route of leukocyte diapedesis in vitro. *J Immunol*, 198:4823-36, 2017.
corresponding author; * co-senior authors
My immunofluorescence image was selected for journal cover; highlighted in the Editorial Section of the Issue.
12. Timmerman I, Heemskerk N, Kroon J, **Schaefer A**, van Rijssel J, Hoogenboezem M, van Unen J, Goedhart J, Gadella TWJ, Yin T, Wu Y, Huveneers S, van Buul JD. A local VE-cadherin and Trio-based signaling complex stabilizes endothelial junctions through Rac1. *J Cell Sci*, 128:3041-54, 2015.
Immunofluorescence image was selected for journal cover; highlighted in the Editorial Section and in Development 142:e1.2015.

13. **Schaefer A[#]** and Hordijk PL. Cell stiffness-induced mechanosignaling – a key driver of leukocyte transendothelial migration. *J Cell Sci*, 128:2221-30, 2015.
corresponding author
14. **Schaefer A[#]**, te Riet J, Ritz KA, Hoogenboezem M, Anthony EC, Mul FPJ, de Vries CJ, Daemen MJAP, Figdor CG, van Buul JD, Hordijk PL[#]. Actin-binding proteins differentially regulate endothelial cell stiffness, ICAM-1 function and neutrophil transmigration. *J Cell Sci*, 127:4470-82, 2014.
co-corresponding authors
Recommended in F1000Prime and highlighted in Development 141:e2106, 2014.
15. **Schaefer A**, Reinhard N, Hordijk PL. Towards understanding Rho GTPase specificity: structure, function and local activation. *Small GTPases*, 5:6-17, 2014.
16. De Kreuk BJ, **Schaefer A**, Anthony EC, Tol S, Fernandez-Borja M, Geerts D, Pool J, Hambach L, Goulmy E, Hordijk PL The Minor Histocompatibility Antigen-1 is a RhoGAP. *PloS One*, 8:e73962, 2013.
17. **Schaefer A**, Nethe M, Hordijk PL. Ubiquitin links to cytoskeletal dynamics, cell adhesion and migration. *Biochem J*, 442:13-25, 2012.
18. **Schaefer A**, Miertzschke M, Berken A, Wittinghofer A. Dimeric plant RhoGAPs are regulated by its CRIB effector motif to stimulate a sequential GTP hydrolysis. *J Mol Biol*, 411:808-22, 2011.
19. **Schaefer A**, Hoehner K, Berken A, Wittinghofer A. The unique plant RhoGAPs are dimeric and contain a CRIB motif required for affinity and specificity towards cognate small G proteins. *Biopolymers*, 95:420-33, 2011.
My protein structure was selected for journal cover.
20. Mucha E, Fricke I, **Schaefer A**, Wittinghofer A, Berken A. Rho proteins of plants: functional cycle and regulation of cytoskeletal dynamics. *Eur J Cell Biol*, 90:934-43, 2011.

OTHER PUBLICATIONS

1. Zeddies S*, **Schaefer A***, di Summa F, Hami N, Kostadima M, Ouwehand WH, Hordijk PL, van der Schoot CE, Thijssen-Timmer DC. The actin-binding protein Tropomyosin 1 is a critical regulator of F-actin distribution and polymerization during megakaryopoiesis. Chapter 4, pp. 116-134 in 'Novel regulators of megakaryopoiesis'. *University of Amsterdam*, 2015.
***co-first authors**
2. Zoughlami Y, Lam BD, van Duijn TJ, **Schaefer A**, Anthony EC, van Hennik PB, Hordijk PL. Rac1 localization, activation and signaling is regulated by sequence and position of the hypervariable C-terminus. Chapter 5 (pp 90-107) in 'New Dimensions in CXCR4 and Rac1 regulation'. *University of Amsterdam*, 2013.

IN PREPARATION

1. Hodge RG, Zhang H, Hobbs GA, Zhang F, Huynh MV, Diehl JN, Goodwin, CM, Javaid S, Pierobon M, Dilly J, Guthrie K, Petricoin EF, Cox AD, Aguirre A, Bass AJ, Der CJ, **Schaefer A[#]**. The oncogenic RHOA^{L57V} drives diffuse gastric cancer development through activation of IGF1R-PAK1-YAP signaling. **# corresponding author**

TEACHING

- 2020 - present **Co-director, PhD graduate student course:** PHCO741 – Contemporary Topics in small GTPase signaling in cancer, University of North Carolina at Chapel Hill, US
- 2020 **Lecturer, PhD graduate student course:** CBPH710 – Advanced Light Microscopy, University of North Carolina at Chapel Hill, US
- 2020 **Lecturer, undergraduate student course:** Bio447 – Cell Biology, University of North Carolina at Chapel Hill, US
- 2012 **Instructor, undergraduate student course:** Role of RhoGEFs in endothelial cell biology Sanquin Blood Institute, University of Amsterdam, The Netherlands
- 2006 – 2008 **Teaching Assistant, undergraduate student course:** Structural and biochemical basis of RhoGEFs and RasGEFs – Max Planck Institute for Molecular Physiology, Dortmund, and Ruhr-University Bochum, Germany

MENTORING

GRADUATE ROTATION STUDENTS

- 2018 Priya Stepp – University of North Carolina at Chapel Hill, US

MASTER STUDENTS

- 2019 Julien Dilly, exchange Master student from Universite Cote D’Azur, France – University of North Carolina at Chapel Hill, US
- 2014 Danielle Keizer – Sanquin Blood Institute Amsterdam, The Netherlands; member of the Master Thesis Committee
- 2008 Kathrin Hoehner – Max Planck Institute of Molecular Physiology, Dortmund, Germany

UNDERGRADUATE STUDENTS

- 2018 - present Supervisor of multiple undergraduate students each semester who provide general lab support – Der lab, University of North Carolina at Chapel Hill, US Amber Amparo (since 2020), Griffin Barnes (2015-19), Julia Boudreau (2018), Kendrel Cabarrus (since 2019), Megan Castle (2021), Rylee Cooper (since 2021), Karthik Eswar (2021), Elle Hepbrun (2018), Miriam Hernandez (2021-22), Karson Guthrie (2018-2021), Emily Kron (2019-2021), Rachel Li (since 2021), Alexander Marler (since 2021), Alexis Morales (2019-20), Megan Rizzo (2021), Khushmi Sha (2019), Kayla Snare (2019-21), Khaliliah Taylor (since 2021), Noah Thompson (2015-19)
- 2018 Zane Kaiser – Federal Work-Study Program, University of North Carolina at Chapel Hill, US
- 2008 Marco Matuschek – Max Planck Institute of Molecular Physiology, Dortmund, Germany

ORAL PRESENTATIONS

1. 2022 – **FASEB Research Conference: The Regulation and Function of Small GTPases**, Saxtons River, Vermont, US. The cancer-associated RHOA^{L57V} mutant acts as an oncogene and drives diffuse gastric cancer development through activation of IGF1R-PAK1-YAP signaling.

2. 2022 – **University of North Carolina at Chapel Hill: RAS P01 Research Retreat**, Emerald Isle, US. The RHOA^{L57V} mutant in diffuse gastric cancer – tumor suppressor or oncogene?
3. 2019 – **FASEB Research Conference: The Regulation and Function of Small GTPases**, Olean, New York, US. The gain-of-function mutation Y42C in RHOA promotes focal adhesion kinase activation and dependency in diffuse gastric cancer.
4. 2019 – **University of North Carolina at Chapel Hill, US, RAS P01 Research Retreat**, Emerald Isle, US. The R5W mutation in RHOA: Gain-of-function or loss-of-function alteration in diffuse gastric cancer?
5. 2019 – **University of North Carolina at Chapel Hill, US, Department of Pharmacology Research Retreat**. The RHOA^{Y42C} mutant is a diffuse gastric cancer oncogene that promotes focal adhesion kinase activation.
6. 2018 – **Max Planck Institute of Molecular Physiology, Dortmund, Germany**. Symposium honoring Prof Emeritus Alfred Wittinghofer. RAS and RHO GTPases and their role in cancer and inflammation.
7. 2018 – **Charite Comprehensive Cancer Center, Charite University Hospital Berlin, Germany**. Drugging RAS and RHO in Cancer: Is actin the answer?
8. 2018 – **University of North Carolina at Chapel Hill: RAS P01 Research Retreat**, Emerald Isle, US. RHOA mutations in cancer are similar, but still different than cancer-associated RAS mutations.
9. 2017 – **University of North Carolina at Chapel Hill: RAS P01 Research Retreat**, Emerald Isle, US. Atypical mutations in RHOA drive diffuse gastric cancer.
10. 2016 – **Annual Meeting of the American Society of Cell Biology ASCB**, San Francisco, US. CD2AP is a negative regulator of the adhesion receptor ICAM-1 controlling cell migration.
11. 2016 – **University of North Carolina at Chapel Hill, US, UNC Cytoskeleton Club**. F-actin based mechanobiology in the vascular endothelium controls leukocyte extravasation in blood vessel.
12. 2015 – **Annual Meeting of the Dutch and German Societies for Microcirculation and Vascular Biology**, Hannover, Germany. The endothelial actin-binding protein CD2AP regulates the transmigration route of neutrophils.
13. 2015 – **Leiden University Medical Center The Netherlands**, Einthoven Laboratory for Experimental Vascular Medicine. The diverse role of actin-binding proteins in the vascular endothelium to control cell stiffness, leukocyte extravasation and inflammatory disease.
14. 2015 – **International Meeting of the German Society for Cell Biology**, Cologne, Germany. Actin-binding proteins differentially control endothelial cell stiffness to drive function of the integrin ligand ICAM-1 and neutrophil transmigration.
15. 2014 – **Queen Mary University of London, UK**, William Harvey Research Institute, Centre for Microvascular Research. Cell stiffness-induced mechanosignaling drives leukocyte transmigration and inflammation in blood vessels.
16. 2013 – **University of Amsterdam, Sanquin Blood Institute, The Netherlands**, Postdoctoral Research Seminar Series. Endothelial Actinin-4 increases cell stiffness to control neutrophil spreading and transmigration.
17. 2013 – **Gordon Research Conference: Fibronectin, Integrins & Related Molecules**, Ventura, US. The Force from Within: Actinin-4-dependent endothelial cell stiffness controls leukocyte transendothelial migration.
18. 2012 – **Annual Meeting of the Dutch Endothelial Biology Society and the Dutch Society for Microcirculation & Vascular Biology**, Biezenmortel, The Netherlands. The Force from Within: How endothelial actin-binding proteins control leukocyte transmigration.
19. 2012 – **University of Amsterdam, Sanquin Blood Institute The Netherlands**, Postdoctoral Research Seminar Series. The Force from Within: How endothelial actin-binding proteins control leukocyte transmigration.

20. 2012 – **Brigham and Women’s Hospital, Harvard Medical School, Boston, US**, Department of Pathology. Adaptor-specific control of ICAM-1 function driving neutrophil extravasation in blood vessels.
21. 2012 – **Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, US**, Centre for Vascular Biology Research. Actinin-4 and Cortactin are two unique key players controlling neutrophil transmigration.
22. 2011 – **University of Amsterdam, Sanquin Blood Institute, The Netherlands**, Postdoctoral Research Seminar Series. Inside-out regulation of endothelial ICAM-1 function through actin-binding proteins.
23. 2010 – **University of Amsterdam, Sanquin Blood Institute, The Netherlands**, Academic Medical Center, Department of Molecular Cell Biology. The molecular mechanism of atypical RhoGAPs controlling RHO GTPase activity.
24. 2009 – **Ruhr-University Bochum, Germany**, Department of Physical Chemistry: Protein Interaction Group. Structural and biochemical analysis of atypical RhoGAPs.
25. 2008 – **Ruhr-University Bochum, Germany**, Department of Biophysics. The interaction between ROP GTPases and RopGAPs.
26. 2007 – **25th Rabensteiner Conference in Biochemical Sciences**, Pottenstein, Germany. Characterization of atypical RhoGAPs with a CRIB effector motif.
27. 2005 – **23rd Rabensteiner Conference in Biochemical Sciences**, Pottenstein, Germany. RopGAPs are atypical RhoGAPs.

PROFESSIONAL SERVICE

EDITORIAL PEER REVIEW

Ad hoc reviewer: Current Biology, Cell Reports, AACR-Cancer Research, AACR-Molecular Cancer Therapeutics, PNAS-Proceeding of the National Academy of Sciences of the United States of America, FEBS Letters, Scientific Reports, Journal of Thrombosis and Haemostasis, Biological Chemistry, Drug Discovery Today, Carcinogenesis, PLOS One, Plant Science, American Journal of Physiology: Lung Cellular and Molecular Physiology, Precision Oncology, Bioscience Reports, Mediators of Inflammation, Communication Biology. BioCell, Cells, Annals of Blood

GRANT REVIEW SERVICE

Ad hoc reviewer: Cancer Research UK (CRUK)

UNIVERSITY COMMITTEES

2022 **Thesis Committee for the graduate student** Runfan Yang – Dept. of Pharmacology, UNC Chapel Hill, US

2021 **Poster Judge Committee**, 12th Annual Translational Medicine Symposium – UNC Chapel Hill – School of Medicine, US (virtual)

2020, 2021 **Poster Judge Committee**, Postdoc Day of the Lineberger Comprehensive Cancer Center – UNC Chapel Hill, US (2021, virtual)

2019 **Search Committee** for a Research Technician position – Lineberger Comprehensive Cancer Center, UNC Chapel Hill, US

2018 **Search Committees** for three independent Research Assistant Professor positions – Dept. of Pharmacology, UNC Chapel Hill, US

- 2017 **Organizing Committee for the 7th Oliver Smithies Nobel Symposium**
– School of Medicine, UNC Chapel Hill, US
- 2014 **Master Thesis Committee** for the Master Biochemistry Student Danielle
Keizer – University Utrecht & Sanquin Blood Institute Amsterdam, The
Netherlands

OUTREACH

- 2022 **Open House Lab Tour** of the Der laboratory, UNC Chapel Hill, organized
for the **Alamance Community College**
- 2018, 2019 **Open House Lab Tour** of the Der laboratory, UNC Chapel Hill, organized
for the **Blue Ribbon Run Against Colorectal Cancer**
- 2018 Created a **Twitter account** (@AntjeSchaeferZ) on which I present and
discuss my own research, scientific publications and updates from cancer
societies, for an audience of scientists, cancer patients and their family
members (over 300 followers)
- 2017, 2019 **Open House Lab Tour** of the Der laboratory, UNC Chapel Hill, organized
for the **Pancreatic Cancer Action Network**

PROFESSIONAL AFFILIATIONS

- | | |
|----------------|--|
| 2018 – present | American Association of Cancer Research AACR |
| 2016 – 2018 | American Society of Cell Biology ASCB |
| 2010 – 2016 | Dutch Endothelial Cell Biology Society DEBS |
| 2002 – present | German Society of Biochemistry and Molecular Biology GBM |

POSTER PRESENTATIONS

- 2022: FASEB Research Conference: The Regulation and Function of Small GTPases, Saxtons River, Vermont, US.
- 2021: National Cancer Institute, Ras Initiative Symposium, Frederick, US (virtual)
- 2019: FASEB Research Conference: The Regulation and Function of Small GTPases, Olean, New York, US
- 2018: American Association for Cancer Research (AACR) Special Conference: Targeting RAS-driven Cancer, San Diego, US.
- 2018: UNC Lineberger Comprehensive Cancer Center Postdoc-Faculty Research Day, Chapel Hill, US.
- 2017: National Cancer Institute, Ras Initiative Symposium, Frederick, US.
- 2017: University of North Carolina at Chapel Hill, Department of Pharmacology Research Retreat, Chapel Hill, US.
- 2017: UNC Lineberger Comprehensive Cancer Center Postdoc-Faculty Research Day, Chapel Hill, US.
- 2016: Annual Meeting of the American Society of Cell Biology ASCB, San Francisco, US.
- 2015: Annual Meeting of the Dutch and German Societies for Microcirculation and Vascular Biology, Hannover, Germany.
- 2015: International Meeting of the German Society for Cell Biology, Cologne, Germany.
- 2014: Gordon Research Conference 'Signaling by Adhesion Receptors', Lewiston, US.
- 2014: 48th Annual Meeting of the European Society for Clinical Investigation, Utrecht, The Netherlands.
- 2013: Rembrandt Symposium of Cardiovascular Science, Noordwijk, The Netherlands.
- 2013: International Conference Cell Migration and Invasion in Physiology and Pathology of the Invadosome Consortium, Nijmegen, The Netherlands.

16. 2013: Annual meeting of the European Molecular Biology Organization EMBO, Amsterdam, The Netherlands.
17. 2013: Gordon Research Conference: Fibronectin, Integrins & Related Molecules, Ventura, US.
18. 2012: Annual Meeting of the Dutch Endothelial Biology Society and the Dutch Society for Microcirculation & Vascular Biology, Biezenmortel, The Netherlands.
19. 2012: International Vascular Biology Meeting (IVBM), Wiesbaden, Germany.
20. 2012: Gordon Research Conference: Signaling by Adhesion Receptors, Waterville, US.
21. 2011: Gordon Research Conference: Cell Contact & Adhesion, West Dover, US.
22. 2011: 5th Amsterdam Zoo Meeting: Cell Adhesion and Migration in Inflammation and Cancer, Amsterdam, The Netherlands.
23. 2008: FASEB Research conference: The Regulation and Function of Small GTPases, Saxtons River, VT, US.
24. 2007: 2nd Murnau Conference 'Structural Biology of Disease Mechanisms', Murnau, Germany