

Lebenslauf

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Studium:

1982 – 1988: Humanmedizin: Turin, Marburg (Humanbiologie),
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1988: MD Anderson Hospital Houston, Texas

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1988 – 1992: internistische Weiterbildung, Israelitisches Krankenhaus
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1992 – 1996: hämato-onkologische Weiterbildung, Universitätsklinikum
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1995: ESMO Examen

1997: Facharzt für Hämatologie und Internistische Onkologie

1997: Anerkennung des Schwerpunktes Internistische Onkologie
und Hämatologie

2000: Habilitation: Verleihung der Venia legendi

2006: Ernennung zum Professor

seit 2011: Klinikdirektor der Interdisziplinären Klinik und Poliklinik für
Stammzelltransplantation

Auszeichnungen

- 2005: Werner-Otto-Preis für Medizinische Forschung
- 2010: Preis der Hamburger Krebsgesellschaft
- 2015: van-Bekkum-Award der European Group for Blood and Marrow Transplantation (EBMT)
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- 1999: Scientific Secretary des 25th Annual EBMT Kongresses (Hamburg)
- 2006 – 2011: Chairman MDS Subcommittee der Chronic Malignancy Working Party (CMWP)
- 2012 - Chairman der Chronic Malignancy Working Party (EBMT)
- 2014 - Chairman Scientific Council der EBMT
- 2014 - Sprecher der Deutschen Arbeitsgemeinschaft für Blut- und Knochenmarktransplantation e. V.
- 2014 - Scientific Council of European School of Hematology (ESH)
- 2015 - Editorial Board of EHA
- 2015/2016: Editorial Board of Blood, Haematologica, and Bone Marrow Transplantation

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2015

1. **Kröger N, Bornhäuser M, Stelljes M, Pichlmeier U, Trenschele R, Schmid C, Arnold R, Martin H, Heinzelmann M, Wolschke C, Meyer RG, Bethge W, Kobbe G, Ayuk F, Gökbuget N, Hölzer D, Zander A, Beelen D.** Allogeneic stem cell transplantation after conditioning with treosulfan, etoposide, and cyclophosphamide for patients with ALL: a phase II-study on behalf of the German Cooperative Transplant Study Group and ALL Study Group (GMALL). *Bone Marrow Transplant.* 2015 Sep 14 [Epub ahead of print]
2. **Ruutu T, de Wreede LC, van Biezen A, Brand R, Mohty M, Dreger P, Duarte R, Peters C, Garderet L, Schönland S, Gratwohl A, Niederwieser D, de Witte T, Kröger N.** Second allogeneic transplantation for relapse of malignant disease: retrospective analysis of outcome and predictive factors by the EBMT. *Bone Marrow Transplant.* 2015 Sep 14 [Epub ahead of print]
3. **Kröger N, Deeg JH, Olavarria E, Niederwieser D, Bacigalupo A, Barbui T, Rambaldi A, Mesa R, Tefferi A, Griesshammer M, Gupta V, Harrison C, Alchalby H, Vannucchi AM, Cervantes F, Robin M, Ditschkowski M, Fauble V, McLornan D, Ballen K, Popat UR, Passamonti F, Rondelli D, Barosi G.** Indication and management of allogeneic stem cell transplantation in primary myelofibrosis: a consensus process by an EBMT/ELN international working group. *Leukemia.* 2015 Aug 21 [Epub ahead of print]
4. **Kröger N.** Current challenges in stem cell transplantation in myelofibrosis. *Curr Hematol Malig Rep.* 2015 Aug 19 [Epub ahead of print]
5. **Auner HW, Garderet L, Kröger N.** Autologous haematopoietic cell transplantation in elderly patients with multiple myeloma. *Br J Haematol.* 2015 Jul 27 [Epub ahead of print]
6. **Symeonidis A, van Biezen A, de Wreede L, Piciocchi A, Finke J, Beelen D, Bornhäuser M, Cornelissen J, Volin L, Mufti G, Chalandon Y, Ganser A, Bruno B, Niederwieser D, Kobbe G, Schwerdtfeger R, de Witte T, Robin M, Kröger N.** Achievement of complete remission predicts outcome of allogeneic haematopoietic stem cell transplantation in patients with chronic myelomonocytic leukaemia. A study of the Chronic Malignancies Working Party of the European Group for Blood and Marrow Transplantation. *Br J Haematol.* 2015 Jul 26 [Epub ahead of print]
7. **Ayuk F, Veit R, Zabelina T, Bussmann L, Christopeit M, Alchalby H, Wolschke C, Lellek H, Bacher U, Zander AR, Kröger N.** Prognostic factors for survival of patients with newly diagnosed chronic GvHD according to NIH criteria. *Ann Hematol.* 2015;94(10):1727-32.
8. **Mendorf A, Klyuchnikov E, Langebrake C, Rohde H, Ayuk F, Regier M, Christopeit M, Zabelina T, Bacher A, Stübiger T, Wolschke C, Bacher U, Kröger N.** Atovaquone for prophylaxis of toxoplasmosis after allogeneic haematopoietic stem cell transplantation. *Acta Haematol.* 2015;134(3):146-54.
9. **Kröger N, Giorgino T, Scott BL, Ditschkowski M, Alchalby H, Cervantes F, Vannucchi A, Cazzola M, Morra E, Zabelina T, Maffioli M, Pereira A, Beelen D, Deeg HJ, Passamonti F.** Impact of allogeneic stem cell transplantation on survival of patients less than 65 years with primary myelofibrosis. *Blood.* 2015; 125(21):3347-50.
10. **Trivai I, Stübiger T, Niebuhr B, Hussein K, Tsiftoglou A, Fehse B, Stocking C, Kröger N.** CD133 marks a stem cell population that drives human Primary Myelofibrosis. *Haematologica.* 2015;100(6):768-79.
11. **Derlin T, Clauditz TS, Kröger N.** 18F-FDG PET/CT for Detection of Leukemic Transformation in Myelofibrosis. *Clin Nucl Med.* 2015 Jun;40(6):521-2.
12. **Derlin T, Büsche G, Kröger N.** Diagnostic value of 18F-FDG-PET/CT for monitoring myelofibrosis after allogeneic stem cell transplantation. *Nucl Med Rev Cent East Eur.* 2015;18(1):35-6
13. **Derlin T, Alchalby H, Bannas P, Veldhoen S, Apostolova I, Trivai I, Bengel FM, Kröger N.** Assessment of bone marrow inflammation in patients with myelofibrosis: an 18F-fluorodeoxyglucose PET/CT study. *Eur J Nucl Med Mol Imaging.* 2015 Apr;42(5):696-705. doi: 10.1007/s00259-014-2983-4.

14. **Koenecke C, Göhring G, de Wreede LC, van Biezen A, Scheid C, Volin L, Maertens J, Finke J, Schaap N, Robin M, Passweg J, Cornelissen J, Beelen D, Heuser M, de Witte T, Kröger N;** MDS subcommittee of the Chronic Malignancies Working Party of the EBMT. Impact of the revised International Prognostic Scoring System, cytogenetics and monosomal karyotype on outcome after allogeneic stem cell transplantation for myelodysplastic syndromes and secondary acute myeloid leukemia evolving from myelodysplastic syndromes: a retrospective multicenter study of the European Society of Blood and Marrow Transplantation. *Haematologica*. 2015 Mar;100(3):400-8. doi: 10.3324/haematol.2014.116715.
15. **Robin M, Ruggeri A, Labopin M, Niederwieser D, Tabrizi R, Sanz G, Bourhis JH, van Biezen A, Koenecke C, Blaise D, Tischer J, Craddock C, Maillard N, Mohty M, Russel N, Schetelig J, Finke J, Gluckman E, de Witte TM, Rocha V, Kroger N.** Comparison of unrelated cord blood and peripheral blood stem cell transplantation in adults with myelodysplastic syndrome after reduced-intensity conditioning regimen: a collaborative study from Eurocord (Cord blood Committee of Cellular Therapy & Immunobiology Working Party of EBMT) and Chronic Malignancies Working Party. *Biol Blood Marrow Transplant*. 2015 Mar;21(3):489-95. doi: 10.1016/j.bbmt.2014.11.675.
16. **Auner HW, Szydlo R, Hoek J, Goldschmidt H, Stoppa AM, Morgan GJ, Moreau P, Attal M, Marit G, Russell N, Brune M, Cook G, Sonneveld P, Schönland S, Garderet L, Kröger N.** Trends in autologous hematopoietic cell transplantation for multiple myeloma in Europe: increased use and improved outcomes in elderly patients in recent years. *Bone Marrow Transplant*. 2015 Feb;50(2):209-15. doi: 10.1038/bmt.2014.255.

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17. **de Witte TM, Bowen D, Robin M, Malcovati L, Mufti G, Niederwieser D, Yakoubagha I, Kröger N;** Myelodysplastic Syndrome Stem Cell Transplant Guidelines Preparation Group from the Chronic Malignancies Working Party, European Group for Blood and Marrow Transplantation and European LeukemiaNet. Should patients with high-risk or transformed myelodysplastic syndrome proceed directly to allogeneic transplant without prior cytoreduction by remission-induction chemotherapy or hypomethylating agent therapy? *Clin Lymphoma Myeloma Leuk*. 2014 Sep;14 Suppl:S42-5. doi: 10.1016/j.clml.2014.06.015.
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20. **Stübig T, Alchalby H, Ditschkowski M, Wolf D, Wulf G, Zabelina T, Wolschke C, Ayuk F, Kröger N.** JAK inhibition with ruxolitinib as pretreatment for allogeneic stem cell transplantation in primary or post-ET/PV myelofibrosis. *Leukemia*. 2014 Aug;28(8):1736-8. doi: 10.1038/leu.2014.86. Epub 2014 Feb 26. No abstract available.
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22. **Lussana F, Rambaldi A, Finazzi MC, van Biezen A, Scholten M, Oldani E, Carobbio A, Iacobelli S, Finke J, Nagler A, Volin L, Lamy T, Arnold R, Mohty M, Michallet M, de Witte T, Olavarria E, Kröger N.** Allogeneic hematopoietic stem cell transplantation in patients with polycythemia vera or essential thrombocythemia transformed to myelofibrosis or acute myeloid leukemia: a report from the MPN Subcommittee of the Chronic Malignancies Working Party of the European Group for Blood and Marrow Transplantation. *Haematologica*. 2014 May;99(5):916-21. doi: 10.3324/haematol.2013.094284. Epub 2014 Jan 3.

23. **Ayuk F, Bussmann L, Zabelina T, Veit R, Alchalby H, Wolschke C, Lellek H, Bacher U, Zander AR, Kröger N.** Serum albumin level predicts survival of patients with gastrointestinal acute graft-versus-host disease after allogeneic stem cell transplantation. *Ann Hematol.* 2014 May;93(5):855-61. doi: 10.1007/s00277-013-1957-0. Epub 2013 Nov 19.
24. **Atanackovic D, Luetkens T, Kröger N.** Coinhibitory molecule PD-1 as a potential target for the immunotherapy of multiple myeloma. *Leukemia.* 2014 May;28(5):993-1000. doi: 10.1038/leu.2013.310. Epub 2013 Oct 23. Review.
25. **Stübig T, Badbaran A, Luetkens T, Hildebrandt Y, Atanackovic D, Binder TM, Fehse B, Kröger N.** 5-azacytidine promotes an inhibitory T-cell phenotype and impairs immune mediated antileukemic activity. *Mediators Inflamm.* 2014;2014:418292. doi: 10.1155/2014/418292. Epub 2014 Mar 13.
26. **Langebrake C, Rohde H, Lellek H, Wolschke C, Kröger N.** Micafungin as antifungal prophylaxis in recipients of allogeneic hematopoietic stem cell transplantation: results of different dosage levels in clinical practice. *Clin Transplant.* 2014 Mar;28(3):286-91. doi: 10.1111/ctr.12310. Epub 2014 Jan 30.
27. **Fu Y, Schroeder T, Zabelina T, Badbaran A, Bacher U, Kobbe G, Ayuk F, Wolschke C, Schnittger S, Kohlmann A, Haferlach T, Kröger N.** Postallogeneic monitoring with molecular markers detected by pretransplant next-generation or Sanger sequencing predicts clinical relapse in patients with myelodysplastic/myeloproliferative neoplasms. *Eur J Haematol.* 2014 Mar;92(3):189-94. doi: 10.1111/ejh.12223. Epub 2013 Nov 21.
28. **Klyuchnikov E, El-Cheikh J, Sputtek A, Lioznov M, Calmels B, Furst S, Chabannon C, Crocchiolo R, Lemarié C, Faucher C, Bacher U, Alchalby H, Stübig T, Wolschke C, Ayuk F, Reckhaus ML, Blaise D, Kröger N.** CD34(+)-selected stem cell boost without further conditioning for poor graft function after allogeneic stem cell transplantation in patients with hematological malignancies. *Biol Blood Marrow Transplant.* 2014 Mar;20(3):382-6. doi: 10.1016/j.bbmt.2013.11.034. Epub 2013 Dec 7.
29. **Kröger N, Stübig T, Atanackovic D.** Immune-modulating drugs and hypomethylating agents to prevent or treat relapse after allogeneic stem cell transplantation. *Biol Blood Marrow Transplant.* 2014 Feb;20(2):168-72. doi: 10.1016/j.bbmt.2013.09.009. Epub 2013 Sep 22. Review.
30. **Alchalby H, Zabelina T, Stübig T, van Biezen A, Bornhäuser M, Di Bartolomeo P, Beelen D, Cahn JY, Dreger P, Schroyens W, de Witte T, Olavarria E, Kröger N;** Chronic Malignancies Working Party of the European Group for Blood and Marrow Transplantation. Allogeneic stem cell transplantation for myelofibrosis with leukemic transformation: a study from the Myeloproliferative Neoplasm Subcommittee of the CMWP of the European Group for Blood and Marrow Transplantation. *Biol Blood Marrow Transplant.* 2014 Feb;20(2):279-81. doi: 10.1016/j.bbmt.2013.10.027. Epub 2013 Nov 4.
31. **Wolschke C, Zabelina T, Ayuk F, Alchalby H, Berger J, Klyuchnikov E, Pein UM, Schumacher S, Amtsfeld G, Adjallé R, Wortmann F, Lellek H, Randenborgh A, Zander A, Kröger N.** Effective prevention of GVHD using in vivo T-cell depletion with anti-lymphocyte globulin in HLA-identical or -mismatched sibling peripheral blood stem cell transplantation. *Bone Marrow Transplant.* 2014 Jan;49(1):126-30. doi: 10.1038/bmt.2013.143. Epub 2013 Sep 16.

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32. **Brand R, Putter H, van Biezen A, Niederwieser D, Martino R, Mufti G, Onida F, Symeonidis A, Schmid C, Garderet L, Robin M, van Gelder M, Finke J, Bornhäuser M, Kobbe G, Germing U, de Witte T, Kröger N.** Comparison of allogeneic stem cell transplantation and non-transplant approaches in elderly patients with advanced myelodysplastic syndrome: optimal statistical approaches and a critical appraisal of clinical results using non-randomized data. *PLoS One.* 2013 Oct 7;8(10):e74368. doi: 10.1371/journal.pone.0074368.
33. **Kröger N.** From nuclear to a global family: more donors for MDS. *Blood.* 2013 Sep 12;122(11):1848-50. doi: 10.1182/blood-2013-07-515494. No abstract available.

34. **Auner HW, Szydlo R, van Biezen A, Iacobelli S, Gahrton G, Milpied N, Volin L, Janssen J, Nguyen Quoc S, Michallet M, Schoemans H, El Cheikh J, Petersen E, Guilhot F, Schönland S, Ahlberg L, Morris C, Garderet L, de Witte T, Kröger N;** Plasma Cell Dyscrasia Sub-committee of the Chronic Malignancies Working Party of the European Group for Blood and Marrow Transplantation (EBMT). Reduced intensity-conditioned allogeneic stem cell transplantation for multiple myeloma relapsing or progressing after autologous transplantation: a study by the European Group for Blood and Marrow Transplantation. *Bone Marrow Transplant.* 2013 Nov;48(11):1395-400. doi: 10.1038/bmt.2013.73. Epub 2013 May 27.
35. **Gahrton G, Iacobelli S, Björkstrand B, Hegenbart U, Gruber A, Greinix H, Volin L, Narni F, Carella AM, Beksac M, Bosi A, Milone G, Corradini P, Schönland S, Friberg K, van Biezen A, Goldschmidt H, de Witte T, Morris C, Niederwieser D, Garderet L, Kröger N;** EBMT Chronic Malignancies Working Party Plasma Cell Disorders Subcommittee. Autologous/reduced-intensity allogeneic stem cell transplantation vs autologous transplantation in multiple myeloma: long-term results of the EBMT-NMAM2000 study. *Blood.* 2013 Jun 20;121(25):5055-63. doi: 10.1182/blood-2012-11-469452. Epub 2013 Mar 12.
36. **Ayuk F, Zabelina T, Wortmann F, Alchalby H, Wolschke C, Lellek H, Bacher U, Zander A, Kröger N.** Donor choice according to age for allo-SCT for AML in complete remission. *Bone Marrow Transplant.* 2013 Aug;48(8):1028-32. doi: 10.1038/bmt.2013.14. Epub 2013 Feb 18.
37. **Oyekunle A, Zander AR, Binder M, Ayuk F, Zabelina T, Christopeit M, Stübiger T, Alchalby H, Schafhausen P, Lellek H, Wolschke C, Müller I, Bacher U, Kröger N.** Outcome of allogeneic SCT in patients with chronic myeloid leukemia in the era of tyrosine kinase inhibitor therapy. *Ann Hematol.* 2013 Apr;92(4):487-96. doi: 10.1007/s00277-012-1650-8. Epub 2012 Dec 19.
38. **van Gelder M, de Wreede LC, Schetelig J, van Biezen A, Volin L, Maertens J, Robin M, Petersen E, de Witte T, Kröger N;** EBMT Chronic Malignancies Working Party. Monosomal karyotype predicts poor survival after allogeneic stem cell transplantation in chromosome 7 abnormal myelodysplastic syndrome and secondary acute myeloid leukemia. *Leukemia.* 2013 Apr;27(4):879-88. doi: 10.1038/leu.2012.297. Epub 2012 Oct 16.
39. **Wolschke C, Stübiger T, Hegenbart U, Schönland S, Heinzlmann M, Hildebrandt Y, Ayuk F, Atanackovic D, Dreger P, Zander A, Kröger N.** Postallograft lenalidomide induces strong NK cell-mediated antimyeloma activity and risk for T cell-mediated GvHD: Results from a phase I/II dose-finding study. *Exp Hematol.* 2013 Feb;41(2):134-142.e3. doi: 10.1016/j.exphem.2012.10.004. Epub 2012 Oct 17.
40. **Kröger N, Badbaran A, Zabelina T, Ayuk F, Wolschke C, Alchalby H, Klyuchnikov E, Atanackovic D, Schilling G, Hansen T, Schwarz S, Heinzlmann M, Zeschke S, Bacher U, Stübiger T, Fehse B, Zander AR.** Impact of high-risk cytogenetics and achievement of molecular remission on long-term freedom from disease after autologous-allogeneic tandem transplantation in patients with multiple myeloma. *Biol Blood Marrow Transplant.* 2013 Mar;19(3):398-404. doi: 10.1016/j.bbmt.2012.10.008. Epub 2012 Oct 16.
41. **Kröger N, Zabelina T, Klyuchnikov E, Kropff M, Pflüger KH, Burchert A, Stübiger T, Wolschke C, Ayuk F, Hildebrandt Y, Bacher U, Badbaran A, Schilling G, Hansen T, Atanackovic D, Zander AR.** Toxicity-reduced, myeloablative allograft followed by lenalidomide maintenance as salvage therapy for refractory/relapsed myeloma patients. *Bone Marrow Transplant.* 2013 Mar;48(3):403-7. doi: 10.1038/bmt.2012.142. Epub 2012 Aug 6.
42. **Kröger N, Zabelina T, de Wreede L, Berger J, Alchalby H, van Biezen A, Milpied N, Volin L, Mohty M, Leblond V, Blaise D, Finke J, Schaap N, Robin M, de Witte T;** MDS subcommittee of the Chronic Leukemia Working Party of the European Group for Blood and Marrow Transplantation (EBMT). Allogeneic stem cell transplantation for older advanced MDS patients: improved survival with young unrelated donor in comparison with HLA-identical siblings. *Leukemia.* 2013 Mar;27(3):604-9. doi: 10.1038/leu.2012.210. Epub 2012 Jul 23.

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45. **Heidenreich S, Zu Eulenburg C, Hildebrandt Y, Stübiger T, Sierich H, Badbaran A, Eiermann TH, Binder TM, Kröger N.** Impact of the NK cell receptor LIR-1 (ILT-2/CD85j/LILRB1) on cytotoxicity against multiple myeloma. *Clin Dev Immunol.* 2012;2012:652130. doi: 10.1155/2012/652130. Epub 2012 Jul 10.
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47. **Kröger N.** Allogeneic stem cell transplantation for elderly patients with myelodysplastic syndrome. *Blood.* 2012 Jun 14;119(24):5632-9. doi: 10.1182/blood-2011-12-380162. Epub 2012 Apr 13. Review.
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50. **Derlin T, Weber C, Habermann CR, Herrmann J, Wisotzki C, Ayuk F, Wolschke C, Klutmann S, Kröger N.** 18F-FDG PET/CT for detection and localization of residual or recurrent disease in patients with multiple myeloma after stem cell transplantation. *Eur J Nucl Med Mol Imaging.* 2012 Mar;39(3):493-500. doi: 10.1007/s00259-011-1993-8. Epub 2011 Nov 24.
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55. **Atanackovic D, Panse J, Hildebrandt Y, Jadcak A, Kobold S, Cao Y, Templin J, Meyer S, Reinhard H, Bartels K, Lajmi N, Zander AR, Marx AH, Bokemeyer C, Kröger N.** Surface molecule CD229 as a novel target for the diagnosis and treatment of multiple myeloma. *Haematologica.* 2011 Oct;96(10):1512-20. Epub 2011 May 23.
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