



Curriculum Vitae

Personal information **Johannes Fischer**

Work experience

Universitaetsklinikum Duesseldorf Institut für Transplantationsdiagnostik und Zelltherapeutika (ITZ) Germany		
Since	09/2016	Director of the Institute for Transplantation Diagnostics and Cell Therapeutics (ITZ), University Hospital Duesseldorf (www.uniklinik-duesseldorf.de/itz) Including Transfusion Medicine & Coagulation Counseling, Bone Marrow Donor Registry, Unrelated Public Cord Blood Bank, Blood Donation Service
Since	03/2017	President of the 21th IGLD (www.igld.de) and German laboratory consensus (INSTAND) Meeting
2003	2014	NETCORD-FACT Cord Blood Bank Inspector
Since	2013	European Reference Center for Spectra Optia Apheresis System (MNC/ cMNC, Terumo BCT)
Since	2010	2nd Chairman of the Board: „Stiftung Knochenmark- und Stammzellspende Deutschland“
Since	2009	Head of the Core Facility Flow cytometry of the bio medical research center of the Heinrich Heine University Duesseldorf (www.cellsort.de, European Reference Center Mo Flow XDP, Beckman Coulter)
Since	2007	Interim Director of the ITZ, Medical Director of the NMDP Donor Center 114, Apheresis Center 9925, Collection Center 2331 (www.kmsz.de) Medical Director José Carreras Cord Blood Bank, Duesseldorf (www.stammzellbank.de)
2006	2007	Senior House Officer/ Specialist Registrar (Rotation) Institute for Transfusion Medicine, Univ. Hospital Essen
Since	2006	Qualified Person and Head of Manufacturing (according to AMG, "Sachkundige Person" & "Leiter der Herstellung") at the Institute for Transplantation Diagnostics and Cell

		Therapeutics, University Clinic Dusseldorf)
Since	2002	Head of Manufacturing (AMG) for Cell Therapeutics, ITZ
1995 -	2002	Head of Quality Control (AMG "Leiter der Qualitätskontrolle") for Cell Therapeutics, ITZ
2001		Doctorate about „Cellular Characterization of Cord Blood Transplants“
Since	1999	Associate Director of the ITZ
Since	1999	Clinical head/ responsible person for bone marrow collections in allogeneic stem cell donors (in conjunction with the Orthopedic department, Univ. Hospital Dusseldorf
Since	1995	Head of the Department for Apheresis, ITZ
1994		Co-Founder of the Working Group „Standards for Stem Cell (CD34)-Characterization“
1993		Establishment of the Stem Cell Apheresis and Processing Unit at the Institute for Experimental Hematology and Transfusion Medicine, University Clinic Bonn (IHT)
1993 -	1995	Medical Assistant, IHT
1991 -	1993	„Arzt im Praktikum“ (Resident), Hematology/Oncology and Intensive Care, University Clinic Bonn

Education and training

1984 -	1991	Student of Medicine at the Universities of Freiburg, Tübingen and Bonn
--------	------	--

Additional information

Publications

Scientific references

Sequence diversity of hepatitis D virus in Mongolia

Magvan B†, Kloeble A†, Ptok J, Hoffmann D, Habermann D, Gantumur A, Paluschinski M, Enebish G, Balz V, **Fischer JC**, Chimeddorj B, Walker A‡, TimmJ*‡
Front. Med. 2023; 10.1108543. doi 10.3389/fmed.2023.1108543

In-depth virological and immunological characterization of HIV-1 cure after CCR5delta32/delta32 allogeneic hematopoietic stem cell transplantation and four years of analytical treatment interruption

Jensen BEO, Knops E, Cords L, Lübke N, Salgado M, Busman-Sahay K, Estes JD, Huyveneers LEP, Perdomo-Celis F, Wittner M, Gálvez C, Mummert C, Passaes C, Eberhard JM, Münk C, Hauber I, Hauber J, Heger E, De Clercq J, Vandekerckhove L, Bergmann S, Dunay GA, Klein F, Häussinger D, **Fischer JC**, Nachtkamp K, Timm J, Kaiser R, Harrer T, Luedde T, Nijhuis M, Saéz-Cirioñ A, Schulze zur Wiesch J, Wensing AMJ, Martínez-Picado J, Kobbe G
Nat Med 2023 Feb 20. doi: 10.1038/s41591-023-02213-x. Online ahead of print.

The Effect of Renal Denervation on T Cells in Patients with Resistant Hypertension.

Kantauskaite M, Vonend O, Yakoub M, Heilmann P, Maifeld A, Minko P, Schimmöller L, Antoch G, Müller DN, Schmidt C, Duvnjak B, Zierhut U, Potthoff SA, Rump LC, **Fischer JC***, Stebauer J*
Int. J. Mol. Sci. 2023 Jan 27;24, 2493. <https://doi.org/10.3390/ijms24032493>
[Immunogenetic Predisposition to SARS-CoV-2 Infection.](#)

Lehmann C*, Loeffler-Wirth H*, Balz V,* Enczmann J, Landgraf R, Lakowa N, Gruenewald T, **Fischer JC ****, Doxiadis I.**
Biology (Basel). 2022 Dec 25;12(1):37. doi:
10.3390/biology12010037.PMID: 36671730
Prognostic markers for the clinical course in the blood of patients with SARS-CoV-2 infection.

Fischer JC, Balz. V, Jazmati D, Bölke E, Freise NF, Keitel V, Feldt T, Jensen BEO, Bode J, Lüdde T, Häussinger D, Adams O, Schneider ME, Enczmann J, Rox J, Hermsen D, Schulze - Bosse K, Kindgen - Milles. D, Knoefel WT, van Griensven M, Haussmann J, Tamaskovics Balint, Plettenberg C, Scheckenbach K, Corradini S, Pedoto A, Maas K, Schmidt L, Grebe O, Esposito I, Ehrhardt A, Peiper M, Buhren BA, Calles C, Stöhr A, Gerber PA, Lichtenberg A, Schelzig H, Flaig Y, Rezazadeh A Budach W, Matuschek C.
Eur J Med Res. 2022 Nov 21;27(1):255. doi: 10.1186/s40001-022-00864-z. PMID: 36411478
[Convalescent plasma treatment for SARS-CoV-2 infected high-risk patients: a matched pair analysis to the LEOSS cohort.](#)

Freise NF, Gliga S, **Fischer J**, Lübke N, Lutterbeck M, Schöler M, Bölke E, Orth HM, Feldt T, Roemmele C, Wilke D, Schneider J, Wille K, Hohmann C, Strauss R, Hower M, Ruf A, Schubert J, Isberner N, Stecher M, Pilgram L, Vehreschild JJ; LEOSS Study Group, Hanses F, Luedde T, Jensen B.
Sci Rep. 2022 Nov 9;12(1):19035. doi: 10.1038/s41598-022-23200-1.PMID: 36351986
Production of COVID-19 Antibody Concentrates Using Immunoabsorption.
Rothenburg J, Rink-Baron S, Müller L, Ostermann PN, **Fischer J**, Stegbauer J, Moldenhauer A.
Transfusionsmedizin 2022 Aug 11; 12(03): 157-162. doi: 10.1055/a-1720-8203.
Identification of new RAD51D-regulating microRNAs that also emerge as potent inhibitors of the Fanconi Anemia/homologous recombination pathways.
Hater N, Iwaniuk KM, Leifeld C, Grüten P, Wiek C, Raba K, Zhang F, **Fischer JC**, Andreassen PR, Hanenberg H, Trompeter HI.
Hum Mol Genet. 2022 Jul 29;ddac177. doi: 10.1093/hmg/ddac177. Online ahead of print. PMID: 35904444
High-Throughput Next-Generation Sequencing of the Kidd Blood Group: Unexpected Antigen Expression Properties of Four Alleles and Detection of Novel Variants
Vorholt SM, Lenz V, Just B, Enczmann J, **Fischer JC**, Horn PA, Zeiler TA, Balz V
Transfusion Medicine and Hemotherapy. 2022 Jul 26; doi: 10.1159/000525326
[Acute cardiac side effects after COVID-19 mRNA vaccination: a case series.](#)

Freise NF, Kivel M, Grebe O, Meyer C, Wafaisade B, Peiper M, Zeus T, Schmidt J, Neuwahl J, Jazmati D, Luedde T, Bölke E, Feldt T, Jensen BEO, Bode J, Keitel V, Haussmann J, Tamaskovics B, Budach W, **Fischer JC**, Knoefel WT, Schneider M, Gerber PA, Pedoto A, Häussinger D, van Griensven M, Rezazadeh A, Flaig Y, Kirchner J, Antoch G, Schelzig H, Matuschek C.
Eur J Med Res. 2022 Jun 2;27(1):80. doi: 10.1186/s40001-022-00695-y. PMID: 35655235
Severe Hemolytic Disease of the Fetus and Newborn with Uncommon High Anti-D Titers and Prolonged Anemia.
Ackerstaff S, Wolf Z, De Rop C, Holzhäuer I, **Fischer J**
Transfusionsmedizin 2022 May 12; 12(02): 97-102. doi: 10.1055/a-1623-9097.
[CD33 Delineates Two Functionally Distinct NK Cell Populations Divergent in Cytokine Production and Antibody-Mediated Cellular Cytotoxicity.](#)

Hejazi M, Zhang C, Bennstein SB, Balz V, Reusing SB, Quadflieg M, Hoerster K, Heinrichs S, Hanenberg H, Oberbeck S, Nitsche M, Cramer S, Pfeifer R, Oberoi P, Rühl H, Oldenburg J, Brossart P, Horn PA, Babor F, Wels WS, **Fischer JC**, Möker N, Uhrberg M.

Front Immunol. 2022 Jan 4;12:798087. doi: 10.3389/fimmu.2021.798087. eCollection 2021. PMID: 35058934

[Comparison of Different Systemic Therapeutic Regimes in Resectable Soft-Tissue Sarcoma-Results of a Network Meta-Analysis.](#)

Hausmann J, Matuschek C, Bölke E, Tamaskovics B, Corradini S, Wessalowski R, Maas K, Schmidt L, Orth K, Peiper M, Keitel V, Feldt T, Jensen BO, Luedde T, **Fischer J**, Knoefel WT, Ashmawy H, Pedoto A, Kammers K, Budach W.

Cancers (Basel). 2021 Nov 11;13(22):5631. doi: 10.3390/cancers13225631. PMID: 34830786

[Humoral response to SARS-CoV-2 and seasonal coronaviruses in COVID-19 patients.](#)

Adams O, André M, Rabl D, Ostermann PN, Schaal H, Lehnert E, Ackerstaff S, Müller L, **Fischer JC**.

J Med Virol. 2022 Mar;94(3):1096-1103. doi: 10.1002/jmv.27427. Epub 2021 Nov 8. PMID: 34716706

SARS-CoV-2 Infection in Fully Vaccinated Individuals of Old Age Strongly Boosts the Humoral Immune Response.

Müller L, André M, Ostermann PN, Jazmati N, Flüh G, **Fischer JC**, Bölke E, Heger E, Vanshylla K, Klein F, Wisplinghoff H, Schaal H, Drexler I, Walker A, Adams O, Timm J.

Front Med (Lausanne). 2021 Oct 11;8:746644. doi: 10.3389/fmed.2021.746644. eCollection 2021. PMID: 34708057

A combined strategy to detect plasma samples reliably with high anti-SARS-CoV-2 neutralizing antibody titers in routine laboratories.

Fischer B, Lichtenberg C, Müller L, Timm J, **Fischer J**, Knabbe C.

J Clin Virol. 2021 Nov;144:104984. doi: 10.1016/j.jcv.2021.104984. Epub 2021 Sep 16. PMID: 34563863

Association of HLA genotypes, ABO blood type and chemokine receptor 5 mutant CD195 with the clinical course of COVID-19.

Fischer JC, Schmidt AG, Bölke E, Uhrberg M, Keitel V, Feldt T, Jensen B, Häussinger D, Adams O, Schneider EM, Balz V, Enczmann J, Rox J, Hermsen D, Schulze-Bosse K, Kindgen-Milles D, Knoefel WT, van Griensven M, Hausmann J, Tamaskovics B, Plettenberg C, Scheckenbach K, Corradini S, Pedoto A, Maas K, Schmidt L, Grebe O, Esposito I, Ehrhardt A, Peiper M, Buhren BA, Calles C, Stöhr A, Lichtenberg A, Freise NF, Lutterbeck M, Rezazadeh A, Budach W, Matuschek C.

Eur J Med Res. 2021 Sep 16;26(1):107. doi: 10.1186/s40001-021-00560-4. PMID: 34530915

Delayed skin reaction after mRNA-1273 vaccine against SARS-CoV-2: a rare clinical reaction.

Hoff NP, Freise NF, Schmidt AG, Firouzi-Memarpuri P, Reifenberger J, Luedde T, Bölke E, Meller S, Homey B, Feldt T, Jensen BEO, Keitel V, Schmidt L, Maas K, Hausmann J, Tamaskovics B, Budach W, **Fischer JC**, Buhren BA, Knoefel WT, Schneider M, Gerber PA, Pedoto A, Häussinger D, Grebe O, van Griensven M, Braun SA, Salzmann S, Rezazadeh A, Matuschek C.

Eur J Med Res. 2021 Aug 25;26(1):98. doi: 10.1186/s40001-021-00557-z. PMID: 34433495

Informed consent and informed intervention: SARS-CoV-2 vaccinations not just call for disclosure of newly emerging safety data but also for hypothesis generation and testing.

Fischer JC, Schmidt AG, Bölke E, Keitel V, Feldt T, Jensen B, Freise NF, Häussinger D, Schneider EM, Hermsen D, Kindgen-Milles D, Knoefel WT, Hausmann J,

Tamaskovics B, Plettenberg C, Scheckenbach K, Corradini S, Rox J, Balz V, Maas K, Schmidt L, Grebe O, Ehrhardt A, Gerber PA, Peiper M, Buhren BA, Lichtenberg A, Rezazadeh A, Budach W, Matuschek C.

Eur J Med Res. 2021 Aug 6;26(1):87. doi: 10.1186/s40001-021-00558-y. PMID: 34362461.

Correction in Eur J Med Res. 2021 Sep 13;26(1):104. doi: 10.1186/s40001-021-00574-y. PMID: 34517930

COVID-19 antibody donation using immunoadsorption: Report of two cases.

Rothenburg J, Rink-Baron S, Mueller L, Ostermann PN, **Fischer J**, Stegbauer J, Moldenhauer A.

Transfus Apher Sci. 2021 Jun 15;60(5):103193. doi: 10.1016/j.transci.2021.103193.

Epub 2021 Jun 15. PMID: 34147358

Reconvalescent plasma/camostat mesylate in early SARS-CoV-2 Q-PCR positive high-risk individuals (RES-Q-HR): a structured summary of a study protocol for a randomized controlled trial.

Keitel V, Jensen B, Feldt T, **Fischer JC**, Bode JG, Matuschek C, Bölke E, Budach W, Plettenberg C, Scheckenbach K, Kindgen-Milles D, Timm J, Müller L, Kolbe H, Stöhr A, Calles C, Hippe A, Verde P, Spinner CD, Schneider J, Wolf T, Kern WV, Nattermann J, Zoufaly A, Ohmann C, Luedde T; RES-Q-HR Trial Team.

Trials. 2021 May 17;22(1):343. doi: 10.1186/s13063-021-05181-0. PMID: 34001215

Case Report: Convalescent Plasma Achieves SARS-CoV-2 Viral Clearance in a Patient With Persistently High Viral Replication Over 8 Weeks Due to Severe Combined Immunodeficiency (SCID) and Graft Failure.

Keitel V, Bode JG, Feldt T, Walker A, Müller L, Kunstein A, Klindt C, Killer A, Senff T, Timm J, Ostermann P, Damagnez M, Lübke N, Adams O, Schaal H, Antoch G, Neubert J, Albrecht P, Meuth S, Elben S, Mohring A, **Fischer JC**, Bölke E, Hoenig M, Schulz AS, Luedde T, Jensen B.

Front Immunol. 2021 May 3;12:645989. doi: 10.3389/fimmu.2021.645989. eCollection 2021. PMID: 34012436

Convalescent plasma treatment of critically ill intensive care COVID-19 patients.

Lindemann M, Lenz V, Knop D, Klump H, Alt M, Aufderhorst UW, Schipper L, Schwarzkopf S, Meller L, Steckel N, Koldehoff M, Heinold A, Heinemann FM, **Fischer J**, Hutschenreuter G, Knabbe C, Dolff S, Brenner T, Dittmer U, Witzke O, Herbstreit F, Horn PA, Krawczyk A.

Transfusion. 2021 May;61(5):1394-1403. doi: 10.1111/trf.16392. Epub 2021 Apr 8. PMID: 33784412

Loss of Anti-SARS-CoV-2 Antibodies in Mild Covid-19.

Bölke E, Matuschek C, **Fischer JC**.

N Engl J Med. 2020 Oct 22;383(17):1694-1695. doi: 10.1056/NEJMc2027051. Epub 2020 Sep 23. PMID: 32966710

Measures of infection prevention and incidence of SARS-CoV-2 infections in cancer patients undergoing radiotherapy in Germany, Austria and Switzerland.

Matuschek C, **Fischer JC**, Combs SE, Fietkau R, Corradini S, Zänker K, Bölke E, Djiepmo-Njanang FJ, Tamaskovics B, Fischer JE, Stuschke M, Pöttgen C, Förster R, Zwahlen DR, Papachristofilou A, Ganswindt U, Pelka R, Schneider EM, Feldt T, Jensen BEO, Häussinger D, Knoefel WT, Kindgen-Milles D, Pedoto A, Grebe O, van Griensven M, Budach W, Haussmann J.

Strahlenther Onkol. 2020 Dec;196(12):1068-1079. doi: 10.1007/s00066-020-01681-1. Epub 2020 Sep 10. PMID: 32914236

Face masks: benefits and risks during the COVID-19 crisis.

Matuschek C, Moll F, Fangerau H, **Fischer JC**, Zänker K, van Griensven M, Schneider M, Kindgen-Milles D, Knoefel WT, Lichtenberg A, Tamaskovics B, Djiepmo-Njanang

FJ, Budach W, Corradini S, Häussinger D, Feldt T, Jensen B, Pelka R, Orth K, Peiper M, Grebe O, Maas K, Gerber PA, Pedoto A, Bölke E, Haussmann J.
Eur J Med Res. 2020 Aug 12;25(1):32. doi: 10.1186/s40001-020-00430-5. PMID: 32787926

The history and value of face masks.

Matuschek C, Moll F, Fangerau H, **Fischer JC**, Zänker K, van Griensven M, Schneider M, Kindgen-Milles D, Knoefel WT, Lichtenberg A, Tamaskovics B, Djiepmo-Njanang FJ, Budach W, Corradini S, Häussinger D, Feldt T, Jensen B, Pelka R, Orth K, Peiper M, Grebe O, Maas K, Bölke E, Haussmann J.
Eur J Med Res. 2020 Jun 23;25(1):23. doi: 10.1186/s40001-020-00423-4. PMID: 32576263.

The role of passive immunization in the age of SARS-CoV-2: an update.

Fischer JC, Zänker K, van Griensven M, Schneider M, Kindgen-Milles D, Knoefel WT, Lichtenberg A, Tamaskovics B, Djiepmo-Njanang FJ, Budach W, Corradini S, Ganswindt U, Häussinger D, Feldt T, Schelzig H, Bojar H, Peiper M, Bölke E, Haussmann J, Matuschek C.
Eur J Med Res. 2020 May 13;25(1):16. doi: 10.1186/s40001-020-00414-5. PMID: 32404189

High-Throughput Screening of Blood Donors for Twelve Human Platelet Antigen Systems Using Next-Generation Sequencing Reveals Detection of Rare Polymorphisms and Two Novel Protein-Changing Variants.

Vorholt SM, Hamker N, Sparka H, Enczmann J, Zeiler T, Reimer T, **Fischer J**, Balz V.
Transfus Med Hemother. 2020 Feb;47(1):33-44. doi: 10.1159/000504894. Epub 2020 Jan 8. PMID: 32110192

From in vitro to ex vivo: subcellular localization and uptake of graphene quantum dots into solid tumors.

Kersting D, Fasbender S, Pilch R, Kurth J, Franken A, Ludescher M, Naskou J, Hallenberger A, Gall CV, Mohr CJ, Lukowski R, Raba K, Jaschinski S, Esposito I, **Fischer JC**, Fehm T, Niederacher D, Neubauer H, Heinzl T.
Nanotechnology. 2019 Sep 27;30(39):395101. doi: 10.1088/1361-6528/ab2cb4. Epub 2019 Jun 26. PMID: 31239418

Diagnostic Leukapheresis Enables Reliable Transcriptomic Profiling of Single Circulating Tumor Cells to Characterize Inter-Cellular Heterogeneity in Terms of Endocrine Resistance.

Reinhardt F, Franken A, Meier-Stiegen F, Driemel C, Stoecklein NH, **Fischer JC**, Niederacher D, Ruckhaeberle E, Fehm T, Neubauer H.
Cancers (Basel). 2019 Jun 28;11(7):903. doi: [10.3390/cancers11070903](https://doi.org/10.3390/cancers11070903). PMID 31261643

Label-Free Enrichment and Molecular Characterization of Viable Circulating Tumor Cells from Diagnostic Leukapheresis Products.

Franken A, Driemel C, Behrens B, Meier-Stiegen F, Endris V, Stenzinger A, Niederacher D, **Fischer JC**, Stoecklein NH, Ruckhaeberle E, Fehm T, Neubauer H.
Clin Chem. 2019 Apr;65(4):549-558. doi: 10.1373/clinchem.2018.296814. Epub 2019 Feb 8. PMID: 30737205

Biomechanical Stability and Osteogenesis in a Tibial Bone Defect Treated by Autologous Ovine Cord Blood Cells-A Pilot Study.

Herten M, Zilkens C, Thorey F, Tassemeier T, Lensing-Höhn S, **Fischer JC**, Sager M, Krauspe R, Jäger M.
Molecules. 2019 Jan 15;24(2):295. doi: 10.3390/molecules24020295. PMID: 30650584

Diagnostic leukapheresis for CTC analysis in breast cancer patients: CTC frequency, clinical experiences and recommendations for standardized reporting.

Fehm TN, Meier-Stiegen F, Driemel C, Jäger B, Reinhardt F, Naskou J, Franken A, Neubauer H, Neves RPL, van Dalum G, Ruckhäberle E, Niederacher D, Rox JM, **Fischer JC***, Stoecklein NH*. Cytometry A. 2018 Dec;93(12):1213-1219. doi: [10.1002/cyto.a.23669](https://doi.org/10.1002/cyto.a.23669). PMID: 30551262

Toward a real liquid biopsy in metastatic breast and prostate cancer: Diagnostic LeukApheresis increases CTC yields in a European prospective multicenter study (CTCTrap).

Andree KC, Mentink A, Zeune LL, Terstappen LWMM, Stoecklein NH, Neves RP, Driemel C, Lampignano R, Yang L, Neubauer H, Fehm T, **Fischer JC**, Rossi E, Manicone M, Basso U, Marson P, Zamarchi R, Loriot Y, Lapierre V, Faugeroux V, Oulhen M, Farace F, Fowler G, Sousa Fontes M, Ebbs B, Lambros M, Crespo M, Flohr P, de Bono JS.

Int J Cancer. 2018 Nov 15;143(10):2584-2591. doi: 10.1002/ijc.31752. Epub 2018 Sep 19. PMID: 30006930

A novel HLA-A null allele, HLA-A*30:130N, discovered by amplicon-based next generation sequencing.

Balz V, **Fischer J**, Krause S, Enczmann J.

HLA. 2018 Nov;92(5):324-326. doi: 10.1111/tan.13385. Epub 2018 Oct 10. PMID: 30156062

A novel HLA-B variant, HLA-B*14:02:16, discovered by amplicon-based next generation sequencing.

Balz V, **Fischer J**, Krause S, Enczmann J.

HLA. 2018 Nov;92(5):323-324. doi: 10.1111/tan.13384. Epub 2018 Oct 25. PMID: 30156043

Effect of the preventative allopurinol therapy within the framework of the peripheral blood stem cell donation.

Müller E, Hübner M, Kuderer S, Prechtel M, Rox J, **Fischer J**, Wenzel F.

J of Cellular Biotech. 2018 Sep 21;3(2):117-125. doi: 10.3233/JCB-179013

Genome-wide hypomethylation of LINE-1 and Alu retroelements in cell-free DNA of blood is an epigenetic biomarker of human aging.

Erichsen L, Beermann A, Arauzo-Bravo MJ, Hassan M, Dkhil MA, Al-Quraishy S, Hafiz TA, **Fischer JC**, Santourlidis S.

Saudi J Biol Sci. 2018 Sep;25(6):1220-1226. doi: 10.1016/j.sjbs.2018.02.005. Epub 2018 Feb 13. PMID: 30174526

More than 150 novel variants of HLA class I genes detected in German Stem Cell Donor Registry and UCLA International Cell Exchange samples.

Balz V, Krause S, **Fischer J***, Enczmann J*.

HLA. 2018 Mar;91(3):187-194. doi: 10.1111/tan.13207. Epub 2018 Jan 30. PMID: 29316364

Isolation of circulating tumor cells from pancreatic cancer by automated filtration.

Brychta N, Drosch M, Driemel C, **Fischer JC**, Neves RP, Esposito I, Knoefel W, Möhlendick B, Hille C, Stresemann A, Krahn T, Kassack MU, Stoecklein NH, von Ahsen O.

Oncotarget. 2017 Sep 16;8(49):86143-86156. doi: 10.18632/oncotarget.21026. eCollection 2017 Oct 17. PMID: 29156783.

Disseminated tumor cells with highly aberrant genomes are linked to poor prognosis in operable oesophageal adenocarcinoma.

Schumacher S, Bartenhagen C, Hoffmann M, Will D, **Fischer JC**, Baldus SE, Vay C, Fluegen G, Dizdar L, Vallböhmer D, Klein CA, Knoefel WT, Stoecklein NH, Möhlendick B.

Br J Cancer. 2017 Aug 22;117(5):725-733. British Journal of Cancer (2017) 117, 725–733. doi: 10.1038/bjc.2017.233 Epub 2017 Jul 20. PMID: 28728164

Uptake dynamics of graphene quantum dots into primary human blood cells following in vitro exposure.

Fasbender S, Allani S, Wimmenauer C, Cadeddu RP, Raba K, Fischer JC, Bulat B, Luysberg M, Seidel CA, Heinzel T, Haas R
RSC Adv., 2017 Feb 21;7, 12208-12216. doi: 10.1039/C6RA27829A

Recipient HLA-C Haplotypes and microRNA 148a/b Binding Sites Have No Impact on Allogeneic Hematopoietic Cell Transplantation Outcomes.

Hoff GA, **Fischer JC**, Hsu K, Cooley S, Miller JS, Wang T, Haagenson M, Spellman S, Lee SJ, Uhrberg M, Venstrom JM, Verneris MR.

Biol Blood Marrow Transplant. 2017 Jan;23(1):153-160. doi: 10.1016/j.bbmt.2016.09.028. Epub 2016 Oct 13. PMID: 27746218

[Human glioblastoma stem-like cells accumulate protoporphyrin IX when subjected to exogenous 5-aminolaevulinic acid, rendering them sensitive to photodynamic treatment.](#)

Schimanski A, Ebbert L, Sabel MC, Finocchiaro G, Lamszus K, Ewelt C, Etmann N, **Fischer JC**, Sorg RV. J

Photochem Photobiol B. 2016 Oct 1;163:203-10. doi: 10.1016/j.jphotobiol.2016.08.043. PMID: 27588717

Treatment of HIV and acute myeloid leukemia by allogeneic CCR5-d32 blood stem cell transplantation.

Knops E, Kobe G, Kaiser R, Luebvke N, Dubay G, **Fischer JC**, Huettig F, Wensing A, Haas R, Nijhuis M, Martinez-Picado J, Häussinger D, Jensen BOE.

J Clin Vir 2016 Sep;82 suppl. S86. doi 10.1016/j.jcv.2016.08.171.

Selective downregulation of HLA-C and HLA-E in childhood acute lymphoblastic leukaemia.

Reusing SB, Manser AR, Enczmann J, Mulder A, Claas FH, Carrington M, **Fischer JC**, Borkhardt A, Babor F, Uhrberg M.

Br J Haematol. 2016 Aug;174(3):477-80. doi: 10.1111/bjh.13777. Epub 2015 Nov 3. PMID 26527563

Influence of GCSF stimulation on sCD40L release kinetic.

Wenzel F, Hauser M, **Fischer JC**, Haas R, Rauch BH.

J of Cellular Biotech. 2016 May 12; 1(2):171-177. doi: 10.3233/JCB-15017.

[Effects of thromboprophylaxis on mesenchymal stromal cells during osteogenic differentiation: an in-vitro study comparing enoxaparin with rivaroxaban.](#)

Pilge H, Fröbel J, Mrotzek SJ, **Fischer JC**, Prodinger PM, Zilkens C, Bittersohl B, Krauspe R.

BMC Musculoskelet Disord. 2016 Mar 1;17:108. doi: 10.1186/s12891-016-0966-2. PMID: 26927834.

[Enoxaparin and rivaroxaban have different effects on human mesenchymal stromal cells in the early stages of bone healing.](#)

Pilge H, Fröbel J, Prodinger PM, Mrotzek SJ, **Fischer JC**, Zilkens C, Bittersohl B, Krauspe R. Bone Joint Res. 2016 Mar;5(3):95-100. doi: 10.1302/2046-

3758.53.2000595. PMID: 26989119

Challenges for CTC-based liquid biopsies: low CTC frequency and diagnostic leukapheresis as a potential solution.

Stoecklein NH*, **Fischer JC***, Niederacher D, Terstappen LW.

Expert Rev Mol Diagn. 2016;16(2):147-64. doi: 10.1586/14737159.2016.1123095. Epub 2015 Dec 16. PMID: 26587751

Progenitor cells are mobilized by acute psychological stress but not beta-adrenergic receptor agonist infusion.

Riddell NE, Burns VE, Wallace GR, Edwards KM, Drayson M, Redwine LS, Hong S, Bui JC, **Fischer JC**, Mills PJ, Bosch JA.

Brain Behav Immun. 2015 Oct;49:49-53. doi: 10.1016/j.bbi.2015.02.028. Epub 2015 Mar 6. PMID: 25747743

Influence of Di(2-ethylhexyl)phthalate on migration rate and differentiation of human hematopoietic stem and progenitor cells (CD34+).

Manz P, Cadeddu RP, Wilk M, **Fischer JC**, Fritz B, Haas R, Wenzel F.

Clin Hemorheol Microcirc. 2015 Sep 9;61(2):111-8. doi: 10.3233/CH-151984. PMID: 26410866

Age-Related Increase of EED Expression in Early Hematopoietic Progenitor Cells is Associated with Global Increase of the Histone Modification H3K27me3.

Graffmann N, Brands J, Görgens A, Vitoriano da Conceição Castro S, Santourlidis S, Reckert A, Michele I, Ritz-Timme S, **Fischer JC**, Adjaye J, Kögler G, Giebel B, Uhrberg M.

Stem Cells Dev. 2015 Sep 1;24(17):2018-31. doi: 10.1089/scd.2014.0435. Epub 2015 Jun 23. PMID: 25961873

Deep serum discoveries: SDF-1 α and HSA fragments in myelodysplastic syndromes.

Fröbel J, Hartwig S, Jourdain S, **Fischer JC**, Zilkens C, Kündgen A, Suckau D, Germing U, Czibere A, Lehr S.

Am J Hematol. 2015 Sep 1;90(9):E185-7. doi: 10.1002/ajh.24070. PMID: 26010554

Genetic analysis of circulating tumor cells in pancreatic cancer patients: A pilot study.

Görner K, Bachmann J, Holzhauer C, Kirchner R, Raba K, **Fischer JC**, Martignoni ME, Schiemann M, Alunni-Fabbroni M.

Genomics. 2015 Jul;106(1):7-14. doi: 10.1016/j.ygeno.2015.02.003. PMID: 25812950

Treatment of donor-specific antibody-mediated graft rejection by immunochemotherapy, third-party DLI, plasmapheresis and immunoabsorption.

Wilk CM, **Fischer JC**, Schieren G, Rox JM, Haas R, Rump LC, Kobbe G, Schroeder T.

Bone Marrow Transplant. 2015 Apr;50(4):613-4. doi: 10.1038/bmt.2014.321. PMID: 25621803

Necrotic cell-derived high mobility group box 1 attracts antigen-presenting cells but inhibits hepatocyte growth factor-mediated tropism of mesenchymal stem cells for apoptotic cell death.

Vogel S, Börger V, Peters C, Förster M, Liebfried P, Metzger K, Meisel R, Däubener W, Trapp T, **Fischer JC**, Gawaz M, Sorg RV.

Cell Death Differ. 2015 Jan 9;22(7):1219-30. doi: 10.1038/cdd.2014.225. PMID: 25571972

Beneficial Effects of G-CSF Dosage Adaption in Allogeneic Stem Cell Donors That Are at Risk for Poor Mobilization. Retrospective Dual Center Analysis of 5691 Allogeneic Stem Cell Mobilizations.

Punzel M, Rox J, Buhrmann K, Schmidt H, Kozlova A, Robitzsch T, Quade A, Bartling C, Ehninger E, **Fischer JC**

Transpl. and Cell. Therpa. (former Biol. Blood and Marrow Transpl.) 2015 Feb 1;21(2):S42. doi: 10.1016/j.bbmt.2014.11.035.

Prostacyclin suppresses twist expression in the presence of indomethacin in bone marrow-derived mesenchymal stromal cells.

Kemper O, Herten M, **Fischer J**, Haversath M, Beck S, Classen T, Warwas S, Tassemeier T, Landgraeber S, Lensing-Höhn S, Krauspe R, Jäger M.

Med Sci Monit. 2014 Nov 10;20:2219-27. doi: 10.12659/MSM.890953. PMID: 25382306

Genomic High-Resolution Profiling of Single CKpos/CD45neg Flow-Sorting Purified Circulating Tumor Cells from Patients with Metastatic Breast Cancer.
Neves RP, Raba K, Schmidt O, Honisch E, Meier-Stiegen F, Behrens B, Möhlendick B, Fehm T, Neubauer H, Klein CA, Polzer B, Sproll C, **Fischer JC**, Niederacher D, Stoecklein NH.
Clin Chem. 2014 Oct 1;60(10):1290-7. doi: [10.1373/clinchem.2014.222331](https://doi.org/10.1373/clinchem.2014.222331). PMID :25267515

SEPTEMBRA – Die Leukapherese als neuer Ansatz zur Gewinnung und Analyse von zirkulierenden Tumorzellen beim Mammakarzinom.
Kasprowicz NS, Honisch E, Mohrmann S, Neves R, Neumann M, Neubauer H, Knoefel WT, Stoecklein N, **Fischer J**, Niederacher D, Fehm T.
Geburtshilfe und Frauenheilkunde 2014 Sep 5;74(S 01). doi: 10.1055/s-0034-1388470.

KIR ligand C2 is associated with increased susceptibility to childhood ALL and confers an elevated risk for late relapse.
Babor F, Manser AR, **Fischer JC**, Scherenschlich N, Enczmann J, Chazara O, Moffett A, Borkhardt A, Meisel R, Uhrberg M.
Blood. 2014 Oct 2;124(14):2248-51. doi: 10.1182/blood-2014-05-572065. Epub 2014 Aug 27. PMID: 25163702

[Diagnostic leukapheresis enables reliable detection of circulating tumor cells of nonmetastatic cancer patients.](#)

Fischer JC, Niederacher D, Topp SA, Honisch E, Schumacher S, Schmitz N, Zacarias Föhrding L, Vay C, Hoffmann I, Kasprowicz NS, Hepp PG, Mohrmann S, Nitz U, Stresemann A, Krahn T, Henze T, Griebisch E, Raba K, Rox JM, Wenzel F, Sproll C, Janni W, Fehm T, Klein CA, Knoefel WT, Stoecklein NH.
Proc Natl Acad Sci U S A. 2013 Oct 8;110(41):16580-5. doi: 10.1073/pnas.1313594110. Epub 2013 Sep 24. PMID: 24065821

25 Jahre Nabelschnurbluttransplantation.

J. C. Fischer

Transfusionsmedizin 2013; 3(4): 207-220. doi: 10.1055/s-0033-1350911. CME-Fortbildung

[Can thrombin-activated platelet releasate compensate the age-induced decrease in cell proliferation of MSC?](#)

Vogl M, **Fischer J**, Jäger M, Zilkens C, Krauspe R, Herten M.
J Orthop Res. 2013 Nov;31(11):1786-95. doi: 10.1002/jor.22433. Epub 2013 Jul 9. PMID: 23839912

Platelet proteome analysis reveals integrin-dependent aggregation defects in patients with myelodysplastic syndromes.

Fröbel J, Cadeddu RP, Hartwig S, Bruns I, Wilk CM, Kündgen A, **Fischer JC**, Schroeder T, Steidl UG, Germing U, Lehr S, Haas R, Czibere A. Mol Cell Proteomics. 2013 May 1;12(5):1272-80. doi: 10.1074/mcp.M112.023168. PMID: 23382103

[Human endothelial colony-forming cells expanded with an improved protocol are a useful endothelial cell source for scaffold-based tissue engineering.](#)

Denecke B, Horsch LD, Radtke S, **Fischer JC**, Horn PA, Giebel B.
J Tissue Eng Regen Med. 2013 Feb 25. doi: 10.1002/term.1673. PMID: 23436759

The role of KIR genes and ligands in leukemia surveillance.

Babor F, **Fischer JC**, Uhrberg M.
Front Immunol. 2013 Feb 7;4:27. doi: 10.3389/fimmu.2013.00027. eCollection 2013. PMID: 23404428

[Prevention of leukemia relapse by donor activating KIR2DS1.](#)

Fischer JC, Uhrberg M.

N Engl J Med. 2012 Nov 22;367(21):2054-5; author reply 2055. doi: 10.1056/NEJMc1211673. PMID: 23171112

[Bone marrow concentrate for autologous transplantation in \(Göttinger\) minipigs. Characterization and osteogenic potential of mesenchymal stem cells.](#)

Herten M, Grassmann JP, Sager M, Benga L, **Fischer JC**, Jäger M, Betsch M, Wild M, Hakimi M, Jungbluth P.
Vet Comp Orthop Traumatol. 2013;26(1):34-41. doi: 10.3415/VCOT-11-11-0165. Epub 2012 Nov 21. PMID: 23171924

[Multiple myeloma-related deregulation of bone marrow-derived CD34+ hematopoietic stem and progenitor cells.](#)

Bruns I, Cadeddu RP, Brueckmann I, Fröbel J, Geyh S, Büst S, **Fischer JC**, Roels F, Wilk CM, Schildberg FA, Hünerlitürkoglu AN, Zilkens C, Jäger M, Steidl U, Zohren F, Fenk R, Kobbe G, Brors B, Czibere A, Schroeder T, Trumpp A, Haas R.
Blood. 2012 Sep 27;120(13):2620-30. doi: 10.1182/blood-2011-04-347484. Epub 2012 Apr 18. PMID: 22517906

[The impact of HLA-C matching depends on the C1/C2 KIR ligand status in unrelated hematopoietic stem cell transplantation.](#)

Fischer JC, Kobbe G, Enczmann J, Haas R, Uhrberg M.
Immunogenetics. 2012 Aug 26;64(12):879-85. doi: 10.1007/s00251-012-0648-7. PMID: 22923051

[Estimating the prevalence of nonpaternity in Germany.](#)

Wolf M, Musch J, Enczmann J, **Fischer J**.
Hum Nat. 2012 Jun 12;23(2):208-17. doi: 10.1007/s12110-012-9143-y. PMID: 22688803

[Analysis of competing failure risks reveals proper liver assessment at recovery excluding severe steatosis as crucial compared to other cumulative extended donor criteria.](#)

Fischer-Fröhlich CL, Frühauf NR, Schleicher C, **Fischer JC**
Organs Tissues & Cells. 2012 Jun;15(2): 115-121

[Quality control of leucocyte-reduced blood components: overestimation of WBC content due to nucleated red blood cells.](#)

Fischer JC, Moog R, Giers G.
Vox Sang. 2012 Jan 1;102(1):79-81. doi: 10.1111/j.1423-0410.2011.01504.x PMID: 21564108

[Reducing costs in flow-cytometric counting of residual white blood cells in blood products: utilization of a single-platform bead-free flow-rate calibration method.](#)

Fischer JC, Quenzel EM, Moog R, Wenzel F, Riethmacher R, Tutschek B, Giers G.
Transfusion. 2011 Jul 1;51(7):1431-1438. doi: 10.1111/j.1537-2995.2010.02998.x. PMID: 21214578

[Neonatal NK-cell repertoires are functionally, but not structurally, biased toward recognition of self HLA class I.](#)

Schönberg K, **Fischer JC**, Kögler G, Uhrberg M.
Blood. 2011 May 12;117(19):5152-6. doi: 10.1182/blood-2011-02-334441. PMID: 21415265

[Bridging the gap: bone marrow aspiration concentrate reduces autologous bone grafting in osseous defects.](#)

Jäger M, Herten M, Fochtman U, **Fischer J**, Hernigou P, Zilkens C, Hendrich C, Krauspe R.
J Orthop Res. 2011 Feb;29(2):173-80. doi: 10.1002/jor.21230. Epub 2010 Aug 25. PMID: 20740672

[Transient appearance of postoperative EDTA-dependent pseudothrombocytopenia in a patient after gastrectomy.](#)

Wenzel F, Lasshofer R, Rox J, **Fischer J**, Giers G.
Platelets. 2011 Jan 13;22(1):72-4. Epub 2010 Oct 13. doi:
10.3109/09537104.2010.516847. PMID: 20942597

[Analyses of HLA-C-specific KIR repertoires in donors with group A and B haplotypes suggest a ligand-instructed model of NK cell receptor acquisition.](#)

Schönberg K, Sribar M, Enczmann J, **Fischer JC**, Uhrberg M.
Blood. 2011 Jan 6;117(1):98-107. doi: 10.1182/blood-2010-03-273656. Epub 2010 Oct 8. PMID: 20935255

[Comparison of soluble CD40L concentrations and release capacities in apheresis and prestorage pooled platelet concentrates.](#)

Wenzel F, Günther W, Baertl A, Lasshofer R, Rox J, **Fischer JC**, Giers G.
Clin Hemorheol Microcirc. 2011 Jan 1;47(4):269-78. doi: 10.3233/CH-2011-1407
PMID: 21654056

[Soluble CD40 ligand in stem cell products of autologous donors.](#)

Wenzel F, Günther W, Rox JM, **Fischer JC**, Giers G.
Transfusion. 2011 Jan 1;51(1):226-7. doi: 10.1111/j.1537-2995.2010.02916.x. PMID:
21219327

Release of soluble CD40L by matrix metalloprotease-2 (MMP-2)-dependent shedding of platelets and its subsequent accumulation in stem cell products of autologous donors.
Wenzel F, Rox J, Reinboldt S, Weber AA, Giers G, **Fischer J**.

J Stem Cells Regen Med. 2010 Oct 23;6(2):66-7. eCollection 2010. PMID: 24693086
Evaluation of basal membrane-derived and biomaterial matrices for endothelial cell expansion and maintenance of their primitive potential.

Horsch L, Denecke B, **Fischer J**, Giebel B, Horn P.
J Stem Cells Regen Med. 2010 Oct 23;6(2):104. eCollection 2010. PMID: 24693119
Cell therapy in bone healing disorders.

Jäger M, Hernigou P, Zilkens C, Herten M, Li X, **Fischer J**, Krauspe R.
Orthop Rev (Pavia). 2010 Sep 23;2(2):e20. doi: 10.4081/or.2010.e20. PMID: 21808710

[Retrospective comparison of maternal vs. HPA-matched donor platelets for treatment of fetal alloimmune thrombocytopenia.](#)

Giers G, Wenzel F, **Fischer J**, Stockschläder M, Riethmacher R, Lorenz H, Tutschek B.
Vox Sang. 2010 Apr 1;98(3 Pt 2):423-30. doi: 10.1111/j.1423-0410.2009.01268.x.
Epub 2009 Oct 27. PMID: 19874573

The embryo's cystatin C and F expression functions as a protective mechanism against the maternal proteinase cathepsin S in mice.

Baston-Buest DM, Schanz A, Buest S, **Fischer JC**, Kruessel JS, Hess AP.
Reproduction. 2010 Apr 1;139(4):741-8. doi: 10.1530/REP-09-0381. Epub 2010 Jan 21.
PMID: 20093401

[\[Cell therapy in bone-healing disorders\].](#)

Jäger M, Hernigou P, Zilkens C, Herten M, **Fischer J**, Krauspe R.
Orthopade. 2010 Feb 26;39(4):449-62; quiz 463. doi: 10.1007/s00132-009-1583-7.
PMID: 20182700.

[Psychologically adverse work conditions are associated with CD8+ T cell differentiation indicative of immunosenescence.](#)

Bosch JA, Fischer JE, **Fischer JC**.
Brain Behav Immun. 2009 May 1;23(4):527-34. Epub 2009 Feb 13. doi:
10.1016/j.bbi.2009.02.002. PMID: 19217939

[Bone-marrow derived progenitor cells are associated with psychosocial determinants of health after controlling for classical biological and behavioral cardiovascular risk factors.](#)

Fischer JC, Kudielka BM, von Känel R, Siegrist J, Thayer JF, Fischer JE.
Brain Behav Immun. 2009 May 1;23(4):419-26. Epub 2008 Aug 31. doi:

10.1016/j.bbi.2008.08.005 PMID: 18799132

[The hematopoietic stem cell in chronic phase CML is characterized by a transcriptional profile resembling normal myeloid progenitor cells and reflecting loss of quiescence.](#)

Bruns I, Czibere A, **Fischer JC**, Roels F, Cadeddu RP, Buest S, Bruennert D, Huenerlituerkoglu AN, Stoecklein NH, Singh R, Zerbini LF, Jäger M, Kobbe G, Gattermann N, Kronenwett R, Brors B, Haas R.

Leukemia. 2009 May;23(5):892-9. doi: 10.1038/leu.2008.392. Epub 2009 Jan 22. PMID: 19158832

[Dexamethasone modulates BMP-2 effects on mesenchymal stem cells in vitro.](#)

Jäger M, **Fischer J**, Dohrn W, Li X, Ayers DC, Czibere A, Prall WC, Lensing-Höhn S, Krauspe R.

J Orthop Res. 2008 Nov 1;26(11):1440-8. doi: 10.1002/jor.20565. PMID: 18404732
Mesenchymal Progenitor Cells.

Fischer JC.

S Karger AG 2008 Nov 17. Cellular Diagnostics: Basic principles, methods and clinical applications of flow cytometry. (317-324) doi: 10.1159/000209169. ISBN: 978-380558555-2

Endothelial Progenitor Cells.

Fischer JC.

S Karger AG 2008 Nov 17. Cellular Diagnostics: Basic principles, methods and clinical applications of flow cytometry. (305-316) doi: 10.1159/000209168. ISBN: 978-380558555-2

[Hepatocyte growth factor/c-MET axis-mediated tropism of cord blood-derived unrestricted somatic stem cells for neuronal injury.](#)

Trapp T, Kögler G, El-Khattouti A, Sorg RV, Besselmann M, Föcking M, Bührle CP, Trompeter I, **Fischer JC**, Wernet P.

J Biol Chem. 2008 Nov 21;283(47):32244-53. Epub 2008 Jul 15. doi: 10.1074/jbc.M800862200. PMID: 18628208

[Pegylated granulocyte colony-stimulating factor mobilizes CD34+ cells with different stem and progenitor subsets and distinct functional properties in comparison with unconjugated granulocyte colony-stimulating factor.](#)

Bruns I, Steidl U, **Fischer JC**, Czibere A, Kobbe G, Raschke S, Singh R, Fenk R, Roszkopf M, Pechtel S, von Haeseler A, Wernet P, Tenen DG, Haas R, Kronenwett R. Haematologica. 2008 Mar;93(3):347-55. Epub 2008 Feb 11. doi:

10.3324/haematol.12081. PMID 18268278

[ISHAGE-based single-platform flowcytometric analysis for measurement of absolute viable T cells in fresh or cryopreserved products: CD34/CD133 selected or CD3/CD19 depleted stem cells, DLI and purified CD56+CD3- NK cells.](#)

Koehl U, Bochennek K, Esser R, Brinkmann A, Quaritsch R, Becker M, Soerensen J, Bader P, Schwabe D, Klingebiel T, **Fischer J**, Zimmermann SY.

Int J Hematol. 2008 Jan 15;87(1):98-105. Epub 2007 Dec 18. doi: 10.1007/s12185-007-0018-7. PMID: 18224422

[The neurotransmitter GABA is a potent inhibitor of the stromal cell-derived factor-1alpha induced migration of adult CD133+ hematopoietic stem and progenitor cells.](#)

Seidel J, Niggemann B, Punzel M, **Fischer J**, Zänker KS, Dittmar T.

Stem Cells Dev. 2007 Nov 13;16(5):827-36. doi: 10.1089/scd.2007.0004. PMID: 17999603

[Comparable long-term survival after bone marrow versus peripheral blood progenitor cell transplantation from matched unrelated donors in children with hematologic malignancies.](#)

Meisel R, Laws HJ, Balzer S, Bernbeck B, Kramm C, Schönberger S, Sinha K, Tröger A, Schmitz M, **Fischer J**, Göbel U, Enczmann J, Dilloo D.

Biol Blood Marrow Transplant. 2007 Nov 1;13(11):1338-45. Epub 2007 Sep 21. DOI: 10.1016/j.bbmt.2007.07.009. PMID: 17950920

[\[Tumour stem cells--a new concept in tumour biology\]](#) –Tumorstammzellen – ein neues

Konzept in der Tumorbiologie

Hatina J, Schulz WA, **Fischer J**, Wahl J, Debatin KM, Beltinger C.

Dtsch Med Wochenschr. 2007 Aug 1;132(31-32):1629-32. Review. German. PMID: 17654417 DOI: 10.1055/s-2007-984945

[Bone healing and migration of cord blood-derived stem cells into a critical size femoral defect after xenotransplantation.](#)

Jäger M, Degistirici O, Knipper A, **Fischer J**, Sager M, Krauspe R.

J Bone Miner Res. 2007 Aug 1;22(8):1224-33. doi: 10.1359/jbmr.070414 PMID: 17451370

[Relevance of C1 and C2 epitopes for hemopoietic stem cell transplantation: role for sequential acquisition of HLA-C-specific inhibitory killer Ig-like receptor.](#)

Fischer JC, Ottinger H, Ferencik S, Sribar M, Punzel M, Beelen DW, Schwan MA, Grosse-Wilde H, Wernet P, Uhrberg M.

J Immunol. 2007 Mar 15;178(6):3918-23. doi: [10.4049/jimmunol.178.6.3918](#). PMID: 17339492

[Asymmetric cell division within the human hematopoietic stem and progenitor cell compartment: identification of asymmetrically segregating proteins.](#)

Beckmann J, Scheitza S, Wernet P, **Fischer JC**, Giebel B. Blood. 2007 Jun

15;109(12):5494-501. Epub 2007 Mar 1. doi: 10.1182/blood-2006-11-055921. PMID: 17332245

Nucleolin activates expression of CD34 and Bcl-2 in CD34-positive hematopoietic cells.

Grinstein E, Santourlidis S, **Fischer J**, Uhrberg M, Wernet P.

J Stem Cells Regen Med. 2007 May 16;2(1):18-9. eCollection 2007. PMID: 24692882

[Molecular signature of CD34\(+\) hematopoietic stem and progenitor cells of patients with CML in chronic phase.](#)

Diaz-Blanco E, Bruns I, Neumann F, **Fischer JC**, Graef T, Roskopf M, Brors B, Pechtel S, Bork S, Koch A, Baer A, Rohr UP, Kobbe G, Haeseler A, Gattermann N, Haas R, Kronenwett R.

Leukemia. 2007 Mar;21(3):494-504. Epub 2007 Jan 25. doi: 10.1038/sj.leu.2404549. PMID: 17252012

[Nucleofection, an efficient nonviral method to transfer genes into human hematopoietic stem and progenitor cells.](#)

von Levetzow G, Spanholtz J, Beckmann J, **Fischer J**, Kögler G, Wernet P, Punzel M, Giebel B.

Stem Cells Dev. 2006 Apr;15(2):278-85 doi: 10.1089/scd.2006.15.278. PMID: 16646674

[A single dose of 6 or 12 mg of pegfilgrastim for peripheral blood progenitor cell mobilization results in similar yields of CD34+ progenitors in patients with multiple myeloma.](#)

Bruns I, Steidl U, Kronenwett R, Fenk R, Graef T, Rohr UP, Neumann F, **Fischer J**, Scheid C, Hübel K, Haas R, Kobbe G.

Transfusion. 2006 Feb 1;46(2):180-5. doi: 10.1111/j.1537-2995.2006.00699.x. PMID: 16441592

[Extensive H\(+\) release by bone substitutes affects biocompatibility in vitro testing.](#)

Jäger M, **Fischer J**, Schultheis A, Lensing-Höhn S, Krauspe R.

J Biomed Mater Res A. 2006 Feb 1;76(2):310-22. doi: 10.1002/jbm.a.30515 PMID: 16270341

[Comparison of rapidly cycled tandem high-dose chemotherapy plus peripheral-blood stem-cell support versus dose-dense conventional chemotherapy for adjuvant treatment of high-risk breast cancer: results of a multicentre phase III trial.](#)

Nitz UA, Mohrmann S, **Fischer J**, Lindemann W, Berdel WE, Jackisch C, Werner C, Ziske C, Kirchner H, Metzner B, Souchon R, Ruffert U, Schütt G, Pollmanns A, Schmoll HJ, Middecke C, Baltzer J, Schrader I, Wiebringhaus H, Ko Y, Rösler S, Schwenzer T, Wernet P, Hinke A, Bender HG, Frick M; West German Study Group.

Lancet. 2005 Dec 3;366(9501):1935-44. Erratum in: Lancet. 2006 Mar

4;367(9512):730. doi: 10.1016/S0140-6736(05)67784-7. PMID: 16325695
[Superior mobilisation of haematopoietic progenitor cells with glycosylated G-CSF in male but not female unrelated stem cell donors.](#)
Fischer JC, Frick M, Wassmuth R, Platz A, Punzel M, Wernet P.
Br J Haematol. 2005 Sep 1;130(5):740-6. doi: 10.1111/j.1365-2141.2005.05678.x.
PMID: 16115131
[Cytokine production and hematopoiesis supporting activity of cord blood-derived unrestricted somatic stem cells.](#)
Kögler G, Radke TF, Lefort A, Sensken S, **Fischer J**, Sorg RV, Wernet P.
Exp Hematol. 2005 May 1;33(5):573-83. doi: 10.1016/j.exphem.2005.01.012. PMID: 15850835
[\[In vivo and in vitro bone regeneration from cord blood derived mesenchymal stem cells\]](#)
Jäger M, Sager M, Knipper A, Degistirici O, **Fischer J**, Kögler G, Wernet P, Krauspe R.
Orthopade. 2004 Dec 1;33(12):1361-72. German. doi: 10.1007/s00132-004-0737-x.
PMID: 15549251
[Suppression of clonogenicity by mammalian Dnmt1 mediated by the PCNA-binding domain.](#)
Santourlidis S, Kimura F, **Fischer J**, Schulz WA.
Biochem Cell Biol. 2004 Oct 1;82(5):589-96. doi: 10.1139/o04-099. PMID: 15499388
[A new human somatic stem cell from placental cord blood with intrinsic pluripotent differentiation potential.](#)
Kögler G, Sensken S, Airey JA, Trapp T, Müschen M, Feldhahn N, Liedtke S, Sorg RV, **Fischer J**, Rosenbaum C, Greschat S, Knipper A, Bender J, Degistirici O, Gao J, Caplan AI, Colletti EJ, Almeida-Porada G, Müller HW, Zanjani E, Wernet P.
J Exp Med. 2004 Jul 19;200(2):123-35. doi: 10.1084/jem.20040440. PMID: 15263023
[Segregation of lipid raft markers including CD133 in polarized human hematopoietic stem and progenitor cells.](#)
Giebel B, Corbeil D, Beckmann J, Höhn J, Freund D, Giesen K, **Fischer J**, Kögler G, Wernet P.
Blood. 2004 Oct 15;104(8):2332-8. Epub 2004 Jul 1. doi: 10.1182/blood-2004-02-0511.
PMID: 15231568
[Clinical-scale generation of dendritic cells in a closed system.](#)
Sorg RV, Ozcan Z, Brefort T, **Fischer J**, Ackermann R, Müller M, Wernet P.
J Immunother. 2003 Jul 1;26(4):374-83. doi: 10.1097/00002371-200307000-00010.
PMID: 12843800
Increased Apoptosis of Neutrophils in a Case of Clozapine-induced Agranulocytosis.
Loeffler S, Fehsel K, Henning U, **Fischer J**, Agelink M, Kolb-Bachofen V, Klimke A.
Pharmacopsychiatry 2003 Jan 1; 36(1): 37-41. DOI: 10.1055/s-2003-38091
[Phenotypic and functional comparison of monocytes from cord blood and granulocyte colony-stimulating factor-mobilized apheresis products.](#)
Sorg RV, Andres S, Kögler G, **Fischer J**, Wernet P.
Exp Hematol. 2001 Nov 1;29(11):1289-94. doi: 10.1016/s0301-472x(01)00735-4.
PMID: 11698124
[Hypermethylation of the tumor necrosis factor receptor superfamily 6 \(APT1, Fas, CD95/Apo-1\) gene promoter at rel/nuclear factor kappaB sites in prostatic carcinoma.](#)
Santourlidis S, Warskulat U, Florl AR, Maas S, Pulte T, **Fischer J**, Müller W, Schulz WA.
Mol Carcinog. 2001 Sep 1;32(1):36-43. doi: 10.1002/mc.1062. PMID: 11568974
[Differential regulation of microglial keratan sulfate immunoreactivity by proinflammatory cytokines and colony-stimulating factors.](#)
Jander S, Schroeter M, **Fischer J**, Stoll G.
Glia. 2000 Jun 1;30(4):401-10. doi: 10.1002/(sici)1098-1136(200006)30:4<401::aid-glia90>3.0.co;2-6. PMID: 10797620

[Successful treatment of relapsed CML after cord blood transplantation with donor leukocyte infusion IL-2 and IFNalpha.](#)

Laws HJ, Nürnberger W, Körholz D, Kögler G, **Fischer J**, Niehues T, Wernet P, Göbel U.

Bone Marrow Transplant. 2000 Jan 1;25(2):219-22. doi: 10.1038/sj.bmt.1702103. PMID: 10673686

[Factors influencing G-CSF-mediated mobilization of hematopoietic progenitor cells during steady-state hematopoiesis in patients with malignant lymphoma and multiple myeloma.](#)

Kobbe G, Söhngen D, Bauser U, Schneider P, Germing U, Thiele KP, Rieth C, Hünerlitürkoglu A, **Fischer J**, Frick M, Wernet P, Aul C, Heyll A.

Ann Hematol. 1999 Oct 1;78(10):456-62. doi: 10.1007/s002770050598. PMID: 10550556

[Toward standardization of CD34+ cell enumeration: an international study. Biomedical Excellence for Safer Transfusion Working Party.](#)

Dzik W, Sniecinski I, **Fischer J**.

Transfusion. 1999 Aug 1;39(8):856-63. doi: 10.1046/j.1537-2995.1999.39080856.x. PMID: 10504122

[Simultaneous cord blood transplantation of ex vivo expanded together with non-expanded cells for high risk leukemia.](#)

Kögler G, Nürnberger W, **Fischer J**, Niehues T, Somville T, Göbel U, Wernet P.

Bone Marrow Transplant. 1999 Aug 1;24(4):397-403. doi: 10.1038/sj.bmt.1701916. PMID: 10467329

[Haematopoietic transplant potential of unrelated and related cord blood: the first six years of the EUROCORD/NETCORD Bank Germany.](#)

Kögler G, Somville T, Göbel U, Hakenberg P, Knipper A, **Fischer J**, Adams O, Krempe C, McKenzie C, Rüttgers H, Meier W, Bellmann O, Streng H, Ring A, Rosseck U, Rocha V, Wernet P.

Klin Padiatr. 1999 Jul 1;11(4):224-32. doi: 10.1055/s-2008-1043793. PMID: 10472555

[The effect of different thawing methods, growth factor combinations and media on the ex vivo expansion of umbilical cord blood primitive and committed progenitors.](#)

Kögler G, Callejas J, Sorg RV, **Fischer J**, Migliaccio AR, Wernet P.

Bone Marrow Transplant. 1998 Feb 1;21(3):233-41. doi: 10.1038/sj.bmt.1701088. PMID: 9489645

[Idarubicin, melphalan and cyclophosphamide: an intensified high-dose regimen for the treatment of myeloma patients.](#)

Heyll A, Söhngen D, Kobbe G, Schneider P, Bauser U, Thiele KP, Wehmeier A, Südhoff T, Quenzel EM, Rieth C, Wernet P, **Fischer J**, Frick M, Aul C.

Leukemia. 1997 Dec 1;11 Suppl 5:S32-4. PMID: 9436936

[Large volume leukapheresis maximizes the progenitor cell yield for allogeneic peripheral blood progenitor donation.](#)

Kobbe G, Soehngen D, Heyll A, **Fischer J**, Thiele KP, Aul C, Wernet P.

J Hematother. 1997 Apr 1;6(2):125-31. (now Stem Cells and Dev) doi: 10.1089/scd.1.1997.6.125. PMID: 9131441

G-CSF priming and PBPC apheresis in unrelated donors for allografting: 14 months experience.

Fischer J, Kobbe G, Söhngen D., Heyll A, Kögler G, Wernet P.

Exp Hematol. 1996 Aug 1;24(9):1147.

[https://www.scopus.com/record/display.uri?eid=2-s2.0-](https://www.scopus.com/record/display.uri?eid=2-s2.0-33748633495&origin=inward&txGid=0d514119fa32c601fede589286701957)

[33748633495&origin=inward&txGid=0d514119fa32c601fede589286701957](https://www.scopus.com/record/display.uri?eid=2-s2.0-33748633495&origin=inward&txGid=0d514119fa32c601fede589286701957)

[\[Flow cytometry analysis of CD34 expressing hematopoietic cells in blood and cytapheresis products\]](#)

Ed.: Gutensohn K, Serke S, Kretschmer V. Auth.: Cassens U, **Fischer J**, Fritsch G, Frueauf S, Garritsen HSP, Gebauer W, Haas R, Höffkes H.-G., Humpe A., Kleine HD, Riggert J, Rothe G, Schlenke P, Schmitz G, Tonn T, Wörmann B, Ziegler BL,

Infusionsther Transfusionsmed. 1996 Jun 1;23(Suppl 2):1-23. Review. German. No abstract available. PMID: 8924750

[High-dose chemotherapy with autologous stem cell transplantation in a patient with a CD30+ anaplastic large cell lymphoma of the skin.](#)

Reinhold U, Frick M, **Fischer J**, Schupp G, Kreysel HW.

Br J Dermatol. 1996 Apr;134(4):811-3. doi: 10.1111/j.1365-2133.1996.tb07003.x.

PMID: 8733403

[\[Prenatal substitution therapy in fetal alloimmune thrombocytopenia\]](#)

Giers G, Hoch J, Bald R, **Fischer J**, Kroll H, Kiefel V, Scharf RE, Hanfland P, Hansmann M, Mueller-Eckhardt C.

Beitr Infusionsther Transfusionsmed 1994 1;32:453-8. PMID: 9480142 German

Patents

Patent (WO/2004/0237101) Method to determine an engrafting cell dose of hematopoietic stem cell transplant units.

Wernet P, Koegler G, **Fischer J**. PCT/EP 1330647 10th June 2004

Patent (WO/2000/040727) Recombinant growth factor with the biological activity of a G-CSF.

Fischer J, Wernet, P, Gelissen G, Jenzelewski V, Piontek M, Strasser AW, Weydemann U. PCT/EP1999/010466 13th June 2000

Projects

Immunogenetics

Cellular therapeutics

Flow Cytometry

Apheresis devices

Memberships

Guidelines/Working Groups		
Since	2017	Member of Instand e.
Since	2015	Member of the centra health insurances "pr transplantation (Spitz Krankenkassen, "Stä Knochenmarktranspl
2012		German Consensus on immunogenic donor sele
Since	2010	Elected Vice Chairma Knochenmarkspende
Since	2006	Member of the specia "Zelltherapeutika" of
Since	2001	FACT-NetCord Cord B
Since	1997	Member of the DAKB Bone Marrow and Ste
1996 -	2013	FACT-NetCord Accred
1996		BEST Working Party: Working Group „Internatio Measurement/Characterization“
Since	1995	Founding Member IG
Since	1995	Member of DGTI

Since 1995 -	Acting member of the Working Group BÄK (German Guidelines for Stem Cell Transplantation and Cell Transplantation" Directive on the manufacture of Hematopoietic stem cell preparations (BÄK
1994	IGLD (DGHO/DGTI) Working Group „Establishment of CD34 Cell Count Definition“

Other Relevant Information

Scientific Focus

Apheresis, Circulating Tumor Cells; Diagnostic Leukapheresis; Cell Therapeutics; Immunogenic/ Immunology; Stem Cell mobilization; Flow Cytometry

Teaching

Stem cell biology and regenerative medicine: lecture and practical course; Actual cellular and immunotherapy: lecture and practical course; Prehepatic jaundice; Transfusion Medicine; Flow cytometric workshops

Clinical Studies

Date	Type/ Phase	Indication / Study Name
2013 - 2015	III	LKP MPG/ AMG Two different Collection Sets for Peripheral Blood Progenitor Cell Apheresis With Spectra Optia® (optiMaL) (randomized, multicenter ISRCTN: NCT 01901458)
2010 - 2011	IV	P. MPG Routine-use study" for OptiaMNC2, Caridian BCT (BCT09-24. observational study with no direct comparison to standard device)
1999 - 2004	III	LKP, AMG Comparison of Lenograstim with Filgrastim: for mobilization of Progenitor Blood Cells (PBPC) in unrelated bone marrow donors. (randomized)
1995 - 2002	III	P, Comparison of rapidly cycled tandem high-dose chemotherapy plus peripheral-blood stem-cell support versus dose-dense conventional chemotherapy for adjuvant treatment of high-risk breast cancer: results of a multicentre phase III trial., (WSG-AM 01)
1995 - 1999	II	P, AMG G-CSF (Filgrastim) Mobilization of Blood Progenitors in unrelated Bone marrow donors

(LKP "Leiter Klinische Prüfung" Principle Investigator, P "Prüfer" Investigator, AMG „Arzneimittelgesetz"; MPG „Medizinproduktegesetz)