

# Trine Fink

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64 papers	1,962 citations	30 h-index	43 g-index
69 ext. papers	2,143 ext. citations	4.3 avg, IF	4.44 L-index

#	Paper	IF	Citations
64	Induction of adipocyte-like phenotype in human mesenchymal stem cells by hypoxia. <i>Stem Cells</i> , <b>2004</b> , 22, 1346-55	5.8	145
63	Identification of a tightly regulated hypoxia-response element in the promoter of human plasminogen activator inhibitor-1. <i>Blood</i> , <b>2002</b> , 99, 2077-83	2.2	123
62	Inhibition of osteoblast differentiation but not adipocyte differentiation of mesenchymal stem cells by sera obtained from aged females. <i>Bone</i> , <b>2006</b> , 39, 181-8	4.7	112
61	Instability of standard PCR reference genes in adipose-derived stem cells during propagation, differentiation and hypoxic exposure. <i>BMC Molecular Biology</i> , <b>2008</b> , 9, 98	4.5	104
60	Continuous hypoxic culturing maintains activation of Notch and allows long-term propagation of human embryonic stem cells without spontaneous differentiation. <i>Cell Proliferation</i> , <b>2009</b> , 42, 63-74	7.9	91
59	Prolonged hypoxic culture and trypsinization increase the pro-angiogenic potential of human adipose tissue-derived stem cells. <i>Cytotherapy</i> , <b>2011</b> , 13, 318-28	4.8	82
58	Effect of growth media and serum replacements on the proliferation and differentiation of adipose-derived stem cells. <i>Cytotherapy</i> , <b>2009</b> , 11, 189-97	4.8	74
57	Comparison of human adipose-derived stem cells and bone marrow-derived stem cells in a myocardial infarction model. <i>Cell Transplantation</i> , <b>2014</b> , 23, 195-206	4	59
56	Nanoscale topography reduces fibroblast growth, focal adhesion size and migration-related gene expression on platinum surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 85, 189-97	6	55
55	Adipogenic differentiation of human mesenchymal stem cells. <i>Methods in Molecular Biology</i> , <b>2011</b> , 698, 243-51	1.4	53
54	Natural killer cell-mediated basal and interferon-enhanced cytotoxicity against liver cancer cells is significantly impaired under in vivo oxygen conditions. <i>Scandinavian Journal of Immunology</i> , <b>2003</b> , 58, 607-12	3.4	41
53	Implications of Extracellular Matrix Production by Adipose Tissue-Derived Stem Cells for Development of Wound Healing Therapies. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	40
52	Adipose-derived stem cells from the brown bear ( <i>Ursus arctos</i> ) spontaneously undergo chondrogenic and osteogenic differentiation in vitro. <i>Stem Cell Research</i> , <b>2011</b> , 7, 89-95	1.6	40
51	Comparative analysis of highly defined proteases for the isolation of adipose tissue-derived stem cells. <i>Regenerative Medicine</i> , <b>2008</b> , 3, 705-15	2.5	40
50	Evaluation of transfection protocols for unmodified and modified peptide nucleic acid (PNA) oligomers. <i>Oligonucleotides</i> , <b>2006</b> , 16, 43-57		38
49	Transcriptional signature of human adipose tissue-derived stem cells (hASCs) preconditioned for chondrogenesis in hypoxic conditions. <i>Experimental Cell Research</i> , <b>2009</b> , 315, 1937-52	4.2	37
48	Separation and detection of compounds in Honeysuckle by integration of ion-exchange chromatography fractionation with reversed-phase liquid chromatography-atmospheric pressure chemical ionization mass spectrometer and matrix-assisted laser desorption/ionization time-of-flight mass spectrometry analysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 40, 559-70	3.5	36

47	Quantitative transcriptional profiling of ATDC5 mouse progenitor cells during chondrogenesis. <i>Differentiation</i> , <b>2005</b> , 73, 350-63	3.5	36
46	Defined xenogeneic-free and hypoxic environment provides superior conditions for long-term expansion of human adipose-derived stem cells. <i>Tissue Engineering - Part C: Methods</i> , <b>2012</b> , 18, 593-602	2.9	35
45	Comparative Analysis of Media and Supplements on Initiation and Expansion of Adipose-Derived Stem Cells. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 314-24	6.9	35
44	Hypoxia and adipose-derived stem cell-based tissue regeneration and engineering. <i>Expert Opinion on Biological Therapy</i> , <b>2011</b> , 11, 775-86	5.4	34
43	Transcriptional regulation of plasminogen activator inhibitor-1 expression by insulin-like growth factor-1 via MAP kinases and hypoxia-inducible factor-1 in HepG2 cells. <i>Thrombosis and Haemostasis</i> , <b>2005</b> , 93, 1176-84	7	33
42	Mass spectrometry analysis of adipose-derived stem cells reveals a significant effect of hypoxia on pathways regulating extracellular matrix. <i>Stem Cell Research and Therapy</i> , <b>2016</b> , 7, 52	8.3	33
41	Environmental Chemicals Modulate Polar Bear ( <i>Ursus maritimus</i> ) Peroxisome Proliferator-Activated Receptor Gamma (PPARG) and Adipogenesis in Vitro. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 10708-10720	10.3	33
40	Critical steps in the isolation and expansion of adipose-derived stem cells for translational therapy. <i>Expert Reviews in Molecular Medicine</i> , <b>2015</b> , 17, e11	6.7	32
39	Patterned poly(lactic acid) films support growth and spontaneous multilineage gene expression of adipose-derived stem cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 93, 92-9	6	32
38	Effect of oxygen concentration, culture format and donor variability on in vitro chondrogenesis of human adipose tissue-derived stem cells. <i>Regenerative Medicine</i> , <b>2009</b> , 4, 539-48	2.5	32
37	Isolation and growth of adipose tissue-derived stem cells. <i>Methods in Molecular Biology</i> , <b>2011</b> , 698, 37-49	1.4	31
36	Isolation and expansion of adipose-derived stem cells for tissue engineering. <i>Frontiers in Bioscience - Elite</i> , <b>2011</b> , 3, 256-63	1.6	30
35	The effect of human embryonic stem cells (hESCs) long-term normoxic and hypoxic cultures on the maintenance of pluripotency. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2010</b> , 46, 276-83	2.6	30
34	Development of cardiac support bioprostheses for ventricular restoration and myocardial regeneration. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2013</b> , 43, 1211-9	3	29
33	Genetic analysis reveals ongoing HIV type 1 evolution in infected human placental trophoblast. <i>AIDS Research and Human Retroviruses</i> , <b>1999</b> , 15, 1673-83	1.6	29
32	Activation of protease-activated receptor 2 induces VEGF independently of HIF-1. <i>PLoS ONE</i> , <b>2012</b> , 7, e46087	3.7	27
31	Role of placental cytokines in transcriptional modulation of HIV type 1 in the isolated villous trophoblast. <i>AIDS Research and Human Retroviruses</i> , <b>2002</b> , 18, 839-47	1.6	24
30	Quantitative gene expression profiles of human liver-derived cell lines exposed to moderate hypoxia. <i>Cellular Physiology and Biochemistry</i> , <b>2001</b> , 11, 105-14	3.9	23

29	Derivation and characterization of four new human embryonic stem cell lines: the Danish experience. <i>Reproductive BioMedicine Online</i> , <b>2006</b> , 12, 119-26	4	21
28	Temporal transcriptome of mouse ATDC5 chondroprogenitors differentiating under hypoxic conditions. <i>Experimental Cell Research</i> , <b>2006</b> , 312, 1727-44	4.2	20
27	Optimized chondrogenesis of ATDC5 cells through sequential regulation of oxygen conditions. <i>Tissue Engineering</i> , <b>2006</b> , 12, 559-67		20
26	Hypoxia enhances the wound-healing potential of adipose-derived stem cells in a novel human primary keratinocyte-based scratch assay. <i>International Journal of Molecular Medicine</i> , <b>2017</b> , 39, 587-594	4.4	18
25	Hypoxia is a key regulator of limbal epithelial stem cell growth and differentiation. <i>Stem Cell Research</i> , <b>2013</b> , 10, 349-60	1.6	17
24	Discrete adipose-derived stem cell subpopulations may display differential functionality after in vitro expansion despite convergence to a common phenotype distribution. <i>Stem Cell Research and Therapy</i> , <b>2016</b> , 7, 177	8.3	16
23	Pigmentation Is Associated with Stemness Hierarchy of Progenitor Cells Within Cultured Limbal Epithelial Cells. <i>Stem Cells</i> , <b>2018</b> , 36, 1411-1420	5.8	13
22	Uniaxial cyclic strain enhances adipose-derived stem cell fusion with skeletal myocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>2014</b> , 450, 1083-8	3.4	12
21	Evolution of ASC Immunophenotypical Subsets During Expansion In Vitro. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	10
20	Fabrication and characterization of extracellular matrix scaffolds obtained from adipose-derived stem cells. <i>Methods</i> , <b>2020</b> , 171, 68-76	4.6	10
19	Focal Adhesion Kinase Activation Is Necessary for Stretch-Induced Alignment and Enhanced Differentiation of Myogenic Precursor Cells. <i>Tissue Engineering - Part A</i> , <b>2018</b> , 24, 631-640	3.9	8
18	Hypoxic treatment inhibits insulin-induced chondrogenesis of ATDC5 cells despite upregulation of DEC1. <i>Connective Tissue Research</i> , <b>2006</b> , 47, 119-23	3.3	7
17	Transcriptional activation of immediate-early gene ETR101 by human T-cell leukaemia virus type I Tax. <i>Journal of General Virology</i> , <b>2003</b> , 84, 3203-3214	4.9	7
16	Hypoxia Enhances Differentiation of Adipose Tissue-Derived Stem Cells toward the Smooth Muscle Phenotype. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	7
15	Enhanced Cellular Uptake Of Phenamil Through Inclusion Complex With Histidine Functionalized $\beta$ -Cyclodextrin As Penetrative Osteoinductive Agent. <i>International Journal of Nanomedicine</i> , <b>2019</b> , 14, 8221-8234	7.3	6
14	Moderate hypoxia influences potassium outward currents in adipose-derived stem cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e104912	3.7	6
13	Notch and hedgehog signaling cooperate to maintain self-renewal of human embryonic stem cells exposed to low oxygen concentration. <i>International Journal of Stem Cells</i> , <b>2010</b> , 3, 129-37	3	6
12	Systematic Review of Stem-Cell-Based Therapy of Burn Wounds: Lessons Learned from Animal and Clinical Studies. <i>Cells</i> , <b>2020</b> , 9,	7.9	6

11	Biological characterization of three novel variants of IFN-alpha 13 produced by human placental trophoblast. <i>Placenta</i> , <b>2001</b> , 22, 673-80	3.4	5
10	Technical brief: Optimized pipeline for isolation of high-quality RNA from corneal cell subpopulations. <i>Molecular Vision</i> , <b>2014</b> , 20, 797-803	2.3	4
9	Patterned polymeric surfaces to study the influence of nanotopography on the growth and differentiation of mesenchymal stem cells. <i>Methods in Molecular Biology</i> , <b>2013</b> , 1058, 77-88	1.4	3
8	Expression of butyrate response factor 1 in HTLV-1-transformed cells and its transactivation by tax protein. <i>Archives of Virology</i> , <b>2003</b> , 148, 1787-804	2.6	3
7	Lack of protection against vertical transmission of HIV-1 by interferons produced during pregnancy in a cohort from East African republic of Malawi. <i>Journal of Medical Virology</i> , <b>2000</b> , 61, 195-200	19.7	3
6	Maintaining RNA Integrity for Transcriptomic Profiling of Ex Vivo Cultured Limbal Epithelial Stem Cells after Fluorescence-Activated Cell Sorting (FACS). <i>Biological Procedures Online</i> , <b>2017</b> , 19, 15	8.3	2
5	Multiplex Analysis of Adipose-Derived Stem Cell (ASC) Immunophenotype Adaption to In Vitro Expansion. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
4	Distribution of Stromal Cell Subsets in Cultures from Distinct Ocular Surface Compartments. <i>Journal of Ophthalmic and Vision Research</i> , <b>2020</b> , 15, 493-501	1.2	0
3	Distribution of Stromal Cell Subsets in Cultures from Distinct Ocular Surface Compartments. <i>Journal of Ophthalmic and Vision Research</i> , <b>2020</b> , 15, 493-501	1.2	
2	Optimized Chondrogenesis of ATCD5 Cells Through Sequential Regulation of Oxygen Conditions. <i>Tissue Engineering</i> , <b>2006</b> , 060317120837001		
1	Growth of Human Embryonic Stem Cells in Long-Term Hypoxia. <i>Springer Protocols</i> , <b>2011</b> , 13-24	0.3	