

Interleukin-17 synergizes with IFN $\gamma$  or TNF $\alpha$  to promote intercellular adhesion molecule-1 (ICAM-1) expression

Journal of Orthopaedic Research

29, 1-7

DOI: 10.1002/jor.21206

Citation Report

#	ARTICLE	IF	CITATIONS
1	Genome-Wide Analysis of Pain-, Nerve- and Neurotrophin -Related Gene Expression in the Degenerating Human Annulus. <i>Molecular Pain</i> , 2012, 8, 1744-8069-8-63.	1.0	52
2	Macrophage Migration Inhibitory Factor Inhibits the Migration of Cartilage End Plate-Derived Stem Cells by Reacting with CD74. <i>PLoS ONE</i> , 2012, 7, e43984.	1.1	27
4	Pain and cervical radiculopathy. , 0, , 19-22.		0
5	A new perspective on the pathobiology of keratoconus: interplay of stromal wound healing and reactive species-associated processes. <i>Australasian journal of optometry, The</i> , 2013, 96, 188-196.	0.6	50
6	A role for TNF $\pm$ in intervertebral disc degeneration: A non-recoverable catabolic shift. <i>Biochemical and Biophysical Research Communications</i> , 2013, 433, 151-156.	1.0	167
7	Intervertebral disc degeneration and ectopic bone formation in apolipoprotein E knockout mice. <i>Journal of Orthopaedic Research</i> , 2013, 31, 210-217.	1.2	21
8	Inflammatory Mediators in Intervertebral Disk Degeneration and Discogenic Pain. <i>Global Spine Journal</i> , 2013, 3, 175-184.	1.2	164
9	Increased IL-17 expression in degenerated human discs and increased production in cultured annulus cells exposed to IL-1 $\beta$ and TNF- $\alpha$ . <i>Biotechnic and Histochemistry</i> , 2013, 88, 302-310.	0.7	38
10	CCL20 Secretion from the Nucleus Pulposus Improves the Recruitment of CCR6-Expressing Th17 Cells to Degenerated IVD Tissues. <i>PLoS ONE</i> , 2013, 8, e66286.	1.1	29
11	Immunization with a MOMP-Based Vaccine Protects Mice against a Pulmonary Chlamydia Challenge and Identifies a Disconnection between Infection and Pathology. <i>PLoS ONE</i> , 2013, 8, e61962.	1.1	40
12	Immune responses following McKenzie lumbar spine exercise in individuals with acute low back pain: A preliminary study. <i>Acta Medica Academica</i> , 2014, 43, 19-29.	0.3	4
13	Is there any relation between cervical cord plaques and discopathy in patients with multiple sclerosis?. <i>Clinical Neurology and Neurosurgery</i> , 2014, 121, 23-26.	0.6	2
14	A new non-enzymatic method for isolating human intervertebral disc cells preserves the phenotype of nucleus pulposus cells. <i>Cytotechnology</i> , 2014, 66, 979-986.	0.7	16
15	Role of cytokines in intervertebral disc degeneration: pain and disc content. <i>Nature Reviews Rheumatology</i> , 2014, 10, 44-56.	3.5	1,134
16	An understanding of intervertebral disc development, maturation and cell phenotype provides clues to direct cell-based tissue regeneration therapies for disc degeneration. <i>European Spine Journal</i> , 2014, 23, 1803-1814.	1.0	77
17	Collagen-Derived <i>N</i> -Acetylated Proline-Glycine-Proline in Intervertebral Discs Modulates CXCR1/2 Expression and Activation in Cartilage Endplate Stem Cells to Induce Migration and Differentiation Toward a Pro-Inflammatory Phenotype. <i>Stem Cells</i> , 2015, 33, 3558-3568.	1.4	23
18	Probabilistic analysis of mechanical behaviour of mandibular trabecular bone using a calibrated stochastic homogenization model. <i>Acta Mechanica</i> , 2015, 226, 3275-3287.	1.1	3
19	Regenerative and Immunogenic Characteristics of Cultured Nucleus Pulposus Cells from Human Cervical Intervertebral Discs. <i>PLoS ONE</i> , 2015, 10, e0126954.	1.1	20

#	ARTICLE	IF	CITATIONS
20	Animal Models of Immunity to Female Genital Tract Infections and Vaccine Development. , 2015, , 2059-2096.		3
21	Cytokine Expression in Keratoconus and its Corneal Microenvironment: A Systematic Review. Ocular Surface, 2015, 13, 272-283.	2.2	112
22	Tanshinone IIA represses inflammatory response and reduces radiculopathic pain by inhibiting IRAK-1 and NF- $\kappa$ B/p38/JNK signaling. International Immunopharmacology, 2015, 28, 382-389.	1.7	30
23	Inflammation in intervertebral disc degeneration and regeneration. Journal of the Royal Society Interface, 2015, 12, 20141191.	1.5	291
24	IFN- $\gamma$ production by plasmacytoid dendritic cell associations with polymorphisms in gene loci related to autoimmune and inflammatory diseases. Human Molecular Genetics, 2015, 24, 3571-3581.	1.4	33
25	IL-17A enhances ADAMTS-7 expression through regulation of TNF- $\alpha$ in human nucleus pulposus cells. Journal of Molecular Histology, 2015, 46, 475-483.	1.0	22
26	Exploratory study for identifying systemic biomarkers that correlate with pain response in patients with intervertebral disc disorders. Immunologic Research, 2015, 63, 170-180.	1.3	45
27	Role of IL-17 in nucleus pulposus cell proliferation and metabolism cultured in vitro. Asian Pacific Journal of Tropical Medicine, 2015, 8, 41-47.	0.4	7
28	Current trends in biologics delivery to restore intervertebral disc anabolism. Advanced Drug Delivery Reviews, 2015, 84, 146-158.	6.6	118
29	Identifying molecular phenotype of nucleus pulposus cells in human intervertebral disc with aging and degeneration. Journal of Orthopaedic Research, 2016, 34, 1316-1326.	1.2	54
30	MiR-146a Regulates Inflammatory Infiltration by Macrophages in Polymyositis/Dermatomyositis by Targeting TRAF6 and Affecting IL-17/ICAM-1 Pathway. Cellular Physiology and Biochemistry, 2016, 40, 486-498.	1.1	33
31	IL-17 mediates inflammatory reactions via p38/c-Fos and JNK/c-Jun activation in an AP-1-dependent manner in human nucleus pulposus cells. Journal of Translational Medicine, 2016, 14, 77.	1.8	89
32	Interleukin-23 may contribute to the pathogenesis of lumbar disc herniation through the IL-23/IL-17 pathway. Journal of Orthopaedic Surgery and Research, 2016, 11, 12.	0.9	18
33	Expression levels of IL-17 and TNF- $\alpha$ in degenerated lumbar intervertebral discs and their correlation. Experimental and Therapeutic Medicine, 2016, 11, 2333-2340.	0.8	17
34	Pulsed electromagnetic field (PEMF) treatment reduces expression of genes associated with disc degeneration in human intervertebral disc cells. Spine Journal, 2016, 16, 770-776.	0.6	31
35	Thalidomide represses inflammatory response and reduces radiculopathic pain by inhibiting IRAK-1 and NF- $\kappa$ B/p38/JNK signaling. Journal of Neuroimmunology, 2016, 290, 1-8.	1.1	15
36	Production of CCL20 on nucleus pulposus cells recruits IL-17-producing cells to degenerated IVD tissues in rat models. Journal of Molecular Histology, 2016, 47, 81-89.	1.0	22
37	<sup />CRISPR-Based Epigenome Editing of Cytokine Receptors for the Promotion of Cell Survival and Tissue Deposition in Inflammatory Environments. Tissue Engineering - Part A, 2017, 23, 738-749.	1.6	68

#	ARTICLE	IF	CITATIONS
38	Pulmonary glass particles may persist in the lung suppressing function of immune cells. <i>Environmental Toxicology</i> , 2017, 32, 1688-1700.	2.1	2
39	Systemic Inflammatory and Th17 Immune Activation among Patients Treated for Lumbar Radiculopathy Exceeds that of Patients Treated for Persistent Postoperative Neuropathic Pain. <i>Neurosurgery</i> , 2017, 81, 537-544.	0.6	7
40	Mast Cell-Intervertebral disc cell interactions regulate inflammation, catabolism and angiogenesis in Discogenic Back Pain. <i>Scientific Reports</i> , 2017, 7, 12492.	1.6	49
41	Dynamic imaging demonstrates that pulsed electromagnetic fields (PEMF) suppress IL-6 transcription in bovine nucleus pulposus cells. <i>Journal of Orthopaedic Research</i> , 2018, 36, 778-787.	1.2	7
42	Tumor necrosis factor- $\alpha$ : a key contributor to intervertebral disc degeneration. <i>Acta Biochimica Et Biophysica Sinica</i> , 2017, 49, 1-13.	0.9	90
43	Interleukin-17 upregulates vascular endothelial growth factor by activating the JAK/STAT pathway in nucleus pulposus cells. <i>Joint Bone Spine</i> , 2017, 84, 327-334.	0.8	21
44	Engineering of CHO Cells for the Production of Recombinant Glycoprotein Vaccines with Xylosylated N-glycans. <i>Bioengineering</i> , 2017, 4, 38.	1.6	11
45	Modic type 1 change is an autoimmune response that requires a proinflammatory milieu provided by the "Modic disc". <i>Spine Journal</i> , 2018, 18, 831-844.	0.6	50
46	Expression of MIF and TNFA in psoriatic arthritis: relationship with Th1/Th2/Th17 cytokine profiles and clinical variables. <i>Clinical and Experimental Medicine</i> , 2018, 18, 229-235.	1.9	13
47	MicroRNA-381 reduces inflammation and infiltration of macrophages in polymyositis via downregulating HMGB1. <i>International Journal of Oncology</i> , 2018, 53, 1332-1342.	1.4	9
48	Effects of interleukin-17A in nucleus pulposus cells and its small molecule inhibitors for intervertebral disc disease. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 5539-5551.	1.6	16
49	Interleukin-23 is constitutively expressed in the human annulus in vivo and in vitro, and is up-regulated in vitro by TNF- $\alpha$ . <i>Biotechnic and Histochemistry</i> , 2019, 94, 540-545.	0.7	4
50	PPAR- $\delta$ agonist pioglitazone protects against IL-17 induced intervertebral disc inflammation and degeneration via suppression of NF- $\kappa$ B signaling pathway. <i>International Immunopharmacology</i> , 2019, 72, 138-147.	1.7	43
51	Small Molecule and Pooled CRISPR Screens Investigating IL17 Signaling Identify BRD2 as a Novel Contributor to Keratinocyte Inflammatory Responses. <i>ACS Chemical Biology</i> , 2019, 14, 857-872.	1.6	15
52	Pulsed Electromagnetic Fields Reduce Interleukin-6 Expression in Intervertebral Disc Cells Via Nuclear Factor- $\kappa$ B and Mitogen-Activated Protein Kinase p38 Pathways. <i>Spine</i> , 2019, 44, E1290-E1297.	1.0	8
53	Pro-Inflammatory Stimuli Influence Expression of Intercellular Adhesion Molecule 1 in Human Anulus Fibrosus Cells through FAK/ERK/GSK3 and PKC $\delta$ Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2019, 20, 77.	1.8	14
54	Inflammatory, Structural, and Pain Biochemical Biomarkers May Reflect Radiographic Disc Space Narrowing: The Johnston County Osteoarthritis Project. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1027-1037.	1.2	10
55	Reactive Oxygen Species-Scavenging Scaffold with Rapamycin for Treatment of Intervertebral Disk Degeneration. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901186.	3.9	33

#	ARTICLE	IF	CITATIONS
56	IL-17 Triggers Invasive and Migratory Properties in Human MSCs, while IFN $\gamma$ Favors their Immunosuppressive Capabilities: Implications for the "Licensing" Process. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 1266-1279.	1.7	5
57	The role of IL-1 $\beta$ and TNF- $\alpha$ in intervertebral disc degeneration. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110660.	2.5	284
58	Identification of key potential targets for TNF- $\alpha$ /TNFR1-related intervertebral disc degeneration by bioinformatics analysis. <i>Connective Tissue Research</i> , 2020, 62, 1-11.	1.1	9
59	Aberrant expression of USF2 in refractory rheumatoid arthritis and its regulation of proinflammatory cytokines in Th17 cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30639-30648.	3.3	25
60	Proinflammatory intervertebral disc cell and organ culture models induced by tumor necrosis factor alpha. <i>JOR Spine</i> , 2020, 3, e1104.	1.5	23
61	Intervention effect of <i>Malus pumila</i> leaf flavonoids on senna-induced acute diarrhea in BALB/c mice. <i>Food Science and Nutrition</i> , 2020, 8, 2535-2542.	1.5	4
62	Immuno-stimulatory capacity of decorin in the rat tail intervertebral disc and the mechanical consequence of resultant inflammation. <i>European Spine Journal</i> , 2020, 29, 1641-1648.	1.0	8
63	Identification of significant gene biomarkers of low back pain caused by changes in the osmotic pressure of nucleus pulposus cells. <i>Scientific Reports</i> , 2020, 10, 3708.	1.6	11
64	Growth differentiation factor-6 attenuates inflammatory and pain-related factors and degenerated disc-induced pain behaviors in rat model. <i>Journal of Orthopaedic Research</i> , 2021, 39, 959-970.	1.2	8
65	Painful intervertebral disc degeneration and inflammation: from laboratory evidence to clinical interventions. <i>Bone Research</i> , 2021, 9, 7.	5.4	184
66	Influence of interleukin 17A and 17F polymorphisms in keratoconus. <i>Molecular Biology Reports</i> , 2021, 48, 7165-7170.	1.0	1
67	IkB $\eta$ is a Key Regulator of Tumour Necrosis Factor- $\alpha$ and Interleukin-17A-mediated Induction of Interleukin-36g in Human Keratinocytes. <i>Acta Dermato-Venereologica</i> , 2021, 101, adv00386.	0.6	5
68	Pulsed electromagnetic fields reduce acute inflammation in the injured rat tail intervertebral disc. <i>JOR Spine</i> , 2019, 2, e1069.	1.5	18
69	Pathogenesis of Intervertebral Disc Degeneration. , 2014, , 177-200.		14
70	Changes in the Molecular Phenotype of Nucleus Pulposus Cells with Intervertebral Disc Aging. <i>PLoS ONE</i> , 2012, 7, e52020.	1.1	85
71	An insight into osteoarthritis susceptibility: Integration of immunological and genetic background. <i>Bosnian Journal of Basic Medical Sciences</i> , 2021, 21, 155-162.	0.6	7
72	Th17 Cell Frequency and IL-17 Concentration Correlate With Pre- and Postoperative Pain Sensation in Patients With Intervertebral Disk Degeneration. <i>Orthopedics</i> , 2014, 37, e685-91.	0.5	16
73	Disc Herniation and Radiculopathy. , 2020, , 155-167.		0

#	ARTICLE	IF	CITATIONS
74	Phenotypic and Functional Responses of Human Decidua Basalis Mesenchymal Stem/Stromal Cells to Lipopolysaccharide of Gram-Negative Bacteria. <i>Stem Cells and Cloning: Advances and Applications</i> , 2021, Volume 14, 51-69.	2.3	2
75	Inflammation and Bone Destruction: Pathogenesis and Therapeutic Intervention. , 2020, , 122-135.		0
76	Immune cascades in human intervertebral disc: the pros and cons. <i>International Journal of Clinical and Experimental Pathology</i> , 2013, 6, 1009-14.	0.5	28
77	Clarifying the nomenclature of intervertebral disc degeneration and displacement: from bench to bedside. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 1293-8.	0.5	25
78	Coupling of pulsed electromagnetic fields (PEMF) therapy to molecular grounds of the cell. <i>American Journal of Translational Research (discontinued)</i> , 2018, 10, 1260-1272.	0.0	15
79	IL-17 in intervertebral disc degeneration: Mechanistic insights and therapeutic implications. <i>Cell Biology International</i> , 2022, 46, 535-547.	1.4	19
80	Identifying the potential role of IL-1 $\beta$ in the molecular mechanisms of disc degeneration using gene expression profiling and bioinformatics analysis. <i>Journal of Orthopaedic Surgery</i> , 2022, 30, 230949902110682.	0.4	6
81	Aloin Regulates Matrix Metabolism and Apoptosis in Human Nucleus Pulposus Cells via the TAK1/NF- $\kappa$ B/NLRP3 Signaling Pathway. <i>Stem Cells International</i> , 2022, 2022, 1-12.	1.2	6
83	Melatonin reverses tumor necrosis factor-alpha-induced metabolic disturbance of human nucleus pulposus cells via MTNR1B/Gli2/YAP signaling. <i>International Journal of Biological Sciences</i> , 2022, 18, 2202-2219.	2.6	14
84	Should Degenerated Intervertebral Discs of Patients with Modic Type 1 Changes Be Treated with Mesenchymal Stem Cells?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2721.	1.8	6
85	The Role of IL-17-Mediated Inflammatory Processes in the Pathogenesis of Intervertebral Disc Degeneration and Herniation: A Comprehensive Review. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 857164.	1.8	13
86	Degenerative disc disease in young adults: cytokine profile and angiogenic factors. <i>Bulletin of Russian State Medical University</i> , 2021, , .	0.3	3
87	Single-Cell RNA Sequencing Reveals the Difference in Human Normal and Degenerative Nucleus Pulposus Tissue Profiles and Cellular Interactions. <i>Frontiers in Cell and Developmental Biology</i> , 0, 10, .	1.8	18
88	Key LncRNAs Associated With Oxidative Stress Were Identified by GEO Database Data and Whole Blood Analysis of Intervertebral Disc Degeneration Patients. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	1
89	Pro-inflammatory cytokines in patients with low back pain: A comparative study. <i>ReumatologĀa ClĀnica</i> , 2022, , .	0.2	1
91	Innovative immune mechanisms and antioxidative therapies of intervertebral disc degeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	5
92	Application of single and cooperative different delivery systems for the treatment of intervertebral disc degeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	2
93	Cytokine Imbalance as a Biomarker of Intervertebral Disk Degeneration. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2360.	1.8	6

#	ARTICLE	IF	CITATIONS
94	The mechanisms and functions of TNF- $\alpha$ in intervertebral disc degeneration. <i>Experimental Gerontology</i> , 2023, 174, 112119.	1.2	9
95	Regulatory Effect of Inflammatory Mediators in Intervertebral Disc Degeneration. <i>Mediators of Inflammation</i> , 2023, 2023, 1-19.	1.4	6
99	Intervertebral disc degeneration and inflammatory microenvironment: expression, pathology, and therapeutic strategies. <i>Inflammation Research</i> , 2023, 72, 1811-1828.	1.6	5