

# Targeting the TGFÎ² signalling pathway in disease

Nature Reviews Drug Discovery

11, 790-811

DOI: 10.1038/nrd3810

Citation Report

#	ARTICLE	IF	CITATIONS
2	The paradoxical TGF- $\beta$ 2 vasculopathies. <i>Nature Genetics</i> , 2012, 44, 838-839.	9.4	60
3	Hepatitis C virus/human interactome identifies SMURF2 and the viral protease as critical elements for the control of TGF- $\beta$ 2 signaling. <i>FASEB Journal</i> , 2013, 27, 4027-4040.	0.2	16
4	Myostatin/activin pathway antagonism: Molecular basis and therapeutic potential. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2333-2347.	1.2	232
5	Rare-disease genetics in the era of next-generation sequencing: discovery to translation. <i>Nature Reviews Genetics</i> , 2013, 14, 681-691.	7.7	608
6	Unchaining the beast; insights from structural and evolutionary studies on TGF- $\beta$ 2 secretion, sequestration, and activation. <i>Cytokine and Growth Factor Reviews</i> , 2013, 24, 355-372.	3.2	99
7	Transcriptional control of cancer metastasis. <i>Trends in Cell Biology</i> , 2013, 23, 603-611.	3.6	94
8	TRAF4 Promotes TGF- $\beta$ 2 Receptor Signaling and Drives Breast Cancer Metastasis. <i>Molecular Cell</i> , 2013, 51, 559-572.	4.5	194
9	Antifibrotic peptide <i>N</i> -acetylserine-Lys-Pro (AcSDKP): Opportunities for angiotensin-converting enzyme inhibitor design. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013, 40, 535-541.	0.9	7
10	Tumors as Organs: Biologically Augmenting Radiation Therapy by Inhibiting Transforming Growth Factor $\beta$ 2 Activity in Carcinomas. <i>Seminars in Radiation Oncology</i> , 2013, 23, 242-251.	1.0	36
11	The roles of TGF- $\beta$ 2 in the tumour microenvironment. <i>Nature Reviews Cancer</i> , 2013, 13, 788-799.	12.8	771
12	Wasting mechanisms in muscular dystrophy. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 2266-2279.	1.2	115
13	Analysis of microRNA-target interactions across diverse cancer types. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 1325-1332.	3.6	184
14	Matrix-Producing Cells in Chronic Kidney Disease: Origin, Regulation, and Activation. <i>Current Pathobiology Reports</i> , 2013, 1, 301-311.	1.6	49
15	Circulating transforming growth factor- $\beta$ 2 as a prognostic biomarker in Marfan syndrome. <i>International Journal of Cardiology</i> , 2013, 168, 2441-2446.	0.8	72
16	The epigenetic modifier trichostatin A, a histone deacetylase inhibitor, suppresses proliferation and epithelial-mesenchymal transition of lens epithelial cells. <i>Cell Death and Disease</i> , 2013, 4, e884-e884.	2.7	65
17	Treating skin and lung fibrosis in systemic sclerosis: a future filled with promise?. <i>Current Opinion in Pharmacology</i> , 2013, 13, 455-462.	1.7	16
18	An Overview of Intervertebral Disc Degeneration Therapies and an Evaluation of the Chondrogenic and Chemotactic Potential of CDMP-2. <i>Journal of Biomimetics, Biomaterials, and Tissue Engineering</i> , 2013, 18, 97-118.	0.7	0
19	Signaling interplay between transforming growth factor- $\beta$ 2 receptor and PI3K/AKT pathways in cancer. <i>Trends in Biochemical Sciences</i> , 2013, 38, 612-620.	3.7	207

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20	Gene expression data reveal common pathways that characterize the unifocal nature of ovarian cancer. <i>American Journal of Obstetrics and Gynecology</i> , 2013, 209, 576.e1-576.e16.	0.7	10
21	Identification of protein binding partners of ALK-5 kinase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6496-6500.	1.4	2
22	IHG-1 must be localised to mitochondria to decrease Smad7 expression and amplify TGF- $\beta$ 1-induced fibrotic responses. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1969-1978.	1.9	16
23	Height mattersâ€”from monogenic disorders to normal variation. <i>Nature Reviews Endocrinology</i> , 2013, 9, 171-177.	4.3	46
24	Intricate interplay between astrocytes and motor neurons in ALS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E756-65.	3.3	132
25	Carcinoma-associated fibroblasts: Non-neoplastic tumour-promoting mesenchymal cells. <i>Journal of Cellular Physiology</i> , 2013, 228, 1651-1657.	2.0	178
26	Beyond TGF $\beta$ 2: roles of other TGF $\beta$ superfamily members in cancer. <i>Nature Reviews Cancer</i> , 2013, 13, 328-341.	12.8	352
27	Preventive and therapeutic effects of Smad7 on radiation-induced oral mucositis. <i>Nature Medicine</i> , 2013, 19, 421-428.	15.2	73
28	Targeting survival pathways in chronic myeloid leukaemia stem cells. <i>British Journal of Pharmacology</i> , 2013, 169, 1693-1707.	2.7	64
29	Transforming growth factor $\beta$ family members in regulation of vascular function: In the light of vascular conditional knockouts. <i>Experimental Cell Research</i> , 2013, 319, 1264-1270.	1.2	54
30	Positive and negative influence of the matrix architecture on antitumor immune surveillance. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 4431-4448.	2.4	83
31	It has to be the $\beta$ : myofibroblast integrins activate latent TGF- $\beta$ 1. <i>Nature Medicine</i> , 2013, 19, 1567-1568.	15.2	57
32	Calumenin-15 facilitates filopodia formation by promoting TGF- $\beta$ superfamily cytokine GDF-15 transcription. <i>Cell Death and Disease</i> , 2013, 4, e870-e870.	2.7	22
33	Suppression of pro-inflammatory T-cell responses by human mesothelial cells. <i>Nephrology Dialysis Transplantation</i> , 2013, 28, 1743-1750.	0.4	6
34	New Therapeutic Targets and Drugs for the Treatment of Chronic Hepatitis B. <i>Seminars in Liver Disease</i> , 2013, 33, 130-137.	1.8	21
35	Carcinoma-Associated Fibroblasts Are a Promising Therapeutic Target. <i>Cancers</i> , 2013, 5, 149-169.	1.7	137
36	Systems Analysis of a RIG-I Agonist Inducing Broad Spectrum Inhibition of Virus Infectivity. <i>PLoS Pathogens</i> , 2013, 9, e1003298.	2.1	96
37	Aptamers and Their Potential to Selectively Target Aspects of EGF, Wnt/ $\beta$ -Catenin and TGF $\beta$ â€”Smad Family Signaling. <i>International Journal of Molecular Sciences</i> , 2013, 14, 6690-6719.	1.8	28

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38	Mechanisms for fiber-type specificity of skeletal muscle atrophy. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013, 16, 243-250.	1.3	317
39	Cancer vaccines. <i>Oncolmmunology</i> , 2013, 2, e23403.	2.1	62
40	OTUB1 enhances TGF $\beta$ 2 signalling by inhibiting the ubiquitylation and degradation of active SMAD2/3. <i>Nature Communications</i> , 2013, 4, 2519.	5.8	110
41	Activin receptor-like kinase5 inhibition suppresses mouse melanoma by ubiquitin degradation of Smad4, thereby derepressing eomesodermin in cytotoxic T lymphocytes. <i>EMBO Molecular Medicine</i> , 2013, 5, 1720-1739.	3.3	56
42	Endoglin for tumor imaging and targeted cancer therapy. <i>Expert Opinion on Therapeutic Targets</i> , 2013, 17, 421-435.	1.5	37
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44	Dickkopf-3 function in the prostate. <i>Bioarchitecture</i> , 2013, 3, 42-44.	1.5	12
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47	JNK inhibitor SP600125 enhances TGF- $\beta$ 2-induced apoptosis of RBE human cholangiocarcinoma cells in a Smad-dependent manner. <i>Molecular Medicine Reports</i> , 2013, 8, 1623-1629.	1.1	20
48	NanoLuc Reporter for Dual Luciferase Imaging in Living Animals. <i>Molecular Imaging</i> , 2013, 12, 7290.2013.00062.	0.7	104
49	Reducing lung function decline in patients with idiopathic pulmonary fibrosis: potential of nintedanib. <i>Drug Design, Development and Therapy</i> , 2013, 7, 503.	2.0	17
50	Serum and glucocorticoid inducible kinase, metabolic syndrome, inflammation, and tumor growth. <i>Hormones</i> , 2013, 12, 160-171.	0.9	72
51	Decreased Tumor Progression and Invasion by a Novel Anti-Cell Motility Target for Human Colorectal Carcinoma Cells. <i>PLoS ONE</i> , 2013, 8, e66439.	1.1	7
52	The Complex Interplay between ERK1/2, TGF $\beta$ 2/Smad, and Jagged/Notch Signaling Pathways in the Regulation of Epithelial-Mesenchymal Transition in Retinal Pigment Epithelium Cells. <i>PLoS ONE</i> , 2014, 9, e96365.	1.1	47
53	Harnessing High Density Lipoproteins to Block Transforming Growth Factor Beta and to Inhibit the Growth of Liver Tumor Metastases. <i>PLoS ONE</i> , 2014, 9, e96799.	1.1	12
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55	Modifiers of TGF- $\beta$ 1 effector function as novel therapeutic targets of pulmonary fibrosis. <i>Korean Journal of Internal Medicine</i> , 2014, 29, 281.	0.7	62

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57	Gene Expression Analysis Reveals Inhibition of Radiation-Induced TGF $\beta$ 2-Signaling by Hyperbaric Oxygen Therapy in Mouse Salivary Glands. <i>Molecular Medicine</i> , 2014, 20, 257-269.	1.9	15
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60	TRAF4 mediates activation of TGF- $\beta$ 2 signaling and is a biomarker for oncogenesis in breast cancer. <i>Science China Life Sciences</i> , 2014, 57, 1172-1176.	2.3	12
61	Transforming growth factor $\beta$ 2 signaling in uterine development and function. <i>Journal of Animal Science and Biotechnology</i> , 2014, 5, 52.	2.1	59
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67	Activating internal ribosome entry to treat Duchenne muscular dystrophy. <i>Nature Medicine</i> , 2014, 20, 987-988.	15.2	3
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70	Remodeling and Fibrosis in Chronic Eosinophil Inflammation. <i>Digestive Diseases</i> , 2014, 32, 15-21.	0.8	83
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72	Chemotherapeutic targeting of the TGF- $\beta$ 2 pathway in breast cancers. <i>Breast Cancer Management</i> , 2014, 3, 73-85.	0.2	6
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75	TGF $\beta$ <sup>2</sup> signaling regulates fibrotic expression and activity in carpal tunnel syndrome. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1444-1450.	1.2	30
76	Molecular Classification of Malignant Pleural Mesothelioma: Identification of a Poor Prognosis Subgroup Linked to the Epithelial-to-Mesenchymal Transition. <i>Clinical Cancer Research</i> , 2014, 20, 1323-1334.	3.2	121
77	Generation of mice carrying a knockout <sup>first</sup> and conditional <sup>ready</sup> allele of transforming growth factor beta2 gene. <i>Genesis</i> , 2014, 52, 817-826.	0.8	13
78	Activin receptor <sup>like</sup> kinase5 inhibition suppresses mouse melanoma by ubiquitin degradation of Smad4, thereby derepressing eomesodermin in cytotoxic T lymphocytes. <i>EMBO Molecular Medicine</i> , 2014, 6, 703-703.	3.3	27
79	Quantitative method for in vitro matrigel invasiveness measurement through image analysis software. <i>Molecular Biology Reports</i> , 2014, 41, 6335-6341.	1.0	7
80	An integrated genomic approach identifies persistent tumor suppressive effects of transforming growth factor- $\beta$ 2 in human breast cancer. <i>Breast Cancer Research</i> , 2014, 16, R57.	2.2	19
81	Active CREB1 Promotes a Malignant TGF $\beta$ <sup>2</sup> Autocrine Loop in Glioblastoma. <i>Cancer Discovery</i> , 2014, 4, 1230-1241.	7.7	63
82	Targeting protease activated receptor-1 with P1pal-12 limits bleomycin-induced pulmonary fibrosis. <i>Thorax</i> , 2014, 69, 152-160.	2.7	44
83	A Wnt-TGF $\beta$ <sup>2</sup> axis induces a fibrogenic program in muscle stem cells from dystrophic mice. <i>Science Translational Medicine</i> , 2014, 6, 267ra176.	5.8	112
84	Mineralocorticoid and SGK1-Sensitive Inflammation and Tissue Fibrosis. <i>Nephron Physiology</i> , 2014, 128, 35-39.	1.5	31
85	Biomechanics of TGF $\beta$ <sup>2</sup> -induced epithelial <sup>mesenchymal</sup> transition: implications for fibrosis and cancer. <i>Clinical and Translational Medicine</i> , 2014, 3, 23.	1.7	112
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88	Genetic variants of <i>Adam17</i> differentially regulate TGF $\beta$ <sup>2</sup> signaling to modify vascular pathology in mice and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7723-7728.	3.3	44
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90	TGF $\beta$ <sup>2</sup> and matrix-regulated epithelial to mesenchymal transition. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 2621-2634.	1.1	116
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94	Wnt Signaling in Skeletal Muscle Dynamics: Myogenesis, Neuromuscular Synapse and Fibrosis. <i>Molecular Neurobiology</i> , 2014, 49, 574-589.	1.9	107
95	Transforming growth factor- $\beta$ 1 pathways in inflammatory airway diseases. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2014, 69, 699-707.	2.7	40
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97	Trichostatin A, a histone deacetylase inhibitor, suppresses proliferation and epithelial- $\rightarrow$ mesenchymal transition in retinal pigment epithelium cells. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 646-655.	1.6	66
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101	Total polysaccharide of <i>Yupingfeng</i> protects against bleomycin-induced pulmonary fibrosis via inhibiting transforming growth factor- $\beta$ 1-mediated type I collagen abnormal deposition in rats. <i>Journal of Pharmacy and Pharmacology</i> , 2014, 66, 1786-1795.	1.2	27
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105	The emerging roles of deubiquitylating enzymes (DUBs) in the TGF- $\beta$ 2 and BMP pathways. <i>Cellular Signalling</i> , 2014, 26, 2186-2192.	1.7	30
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109	Atypical transforming growth factor- $\beta$ 2 signaling in the hypothalamus is linked to diabetes. <i>Nature Medicine</i> , 2014, 20, 985-987.	15.2	15
110	Discovery of <i>N</i> -((4-([1,2,4]Triazolo[1,5- <i>a</i> ]pyridin-6-yl)-5-(6-methylpyridin-2-yl)-1 <i>H</i> -imidazol-2-yl)methyl)-2-fluoroaniline (EW-7197): A Highly Potent, Selective, and Orally Bioavailable Inhibitor of TGF- $\beta$ 2 Type I Receptor Kinase as Cancer Immunotherapeutic/Antifibrotic Agent. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 4213-4238.	2.9	108

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111	TGF-beta in CAF-mediated tumor growth and metastasis. <i>Seminars in Cancer Biology</i> , 2014, 25, 15-22.	4.3	268
112	Simultaneous delivery of doxorubicin and curcumin encapsulated in liposomes of pegylated RGDK-lipopeptide to tumor vasculature. <i>Biomaterials</i> , 2014, 35, 1643-1656.	5.7	113
113	Bronchial epithelial cells are rendered insensitive to glucocorticoid transactivation by transforming growth factor- $\beta$ 1. <i>Respiratory Research</i> , 2014, 15, 55.	1.4	25
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120	Regulation of TGF $\beta$ 2 and related signals by precursor processing. <i>Seminars in Cell and Developmental Biology</i> , 2014, 32, 85-97.	2.3	78
121	Schisandrin B suppresses TGF $\beta$ 1-induced stress fiber formation by inhibiting myosin light chain phosphorylation. <i>Journal of Ethnopharmacology</i> , 2014, 152, 364-371.	2.0	25
122	Inhibition of intimal hyperplasia in murine aortic allografts by the oral administration of the transforming growth factor-beta receptor I kinase inhibitor SD-208. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 654-661.	0.3	16
123	Aortopathy in Marfan syndrome: an update. <i>Cardiovascular Pathology</i> , 2014, 23, 261-266.	0.7	54
124	Cardiac Fibroblast Glycogen Synthase Kinase-3 $\beta$ Regulates Ventricular Remodeling and Dysfunction in Ischemic Heart. <i>Circulation</i> , 2014, 130, 419-430.	1.6	148
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131	Losartan ameliorates dystrophic epidermolysis bullosa and uncovers new disease mechanisms. EMBO Molecular Medicine, 2015, 7, 1211-1228.	3.3	145
132	Lansoprazole Upregulates Polyubiquitination of the TNF Receptor-Associated Factor 6 and Facilitates Runx2-mediated Osteoblastogenesis. EBioMedicine, 2015, 2, 2046-2061.	2.7	15
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140	Transforming Growth Factor Beta (TGF- $\beta$ 2) Is a Muscle Biomarker of Disease Progression in ALS and Correlates with Smad Expression. PLoS ONE, 2015, 10, e0138425.	1.1	44
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143	TGF $\beta$ 2 Signaling in Tumor Initiation, Epithelial-to-Mesenchymal Transition, and Metastasis. Journal of Oncology, 2015, 2015, 1-15.	0.6	177
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145	Unravelling the Complexity and Functions of MTA Coregulators in Human Cancer. Advances in Cancer Research, 2015, 127, 1-47.	1.9	27
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147	Transforming Growth Factor $\beta$ 2-induced Apoptosis in Podocytes via the Extracellular Signal-regulated Kinase-Mammalian Target of Rapamycin Complex 1-NADPH Oxidase 4 Axis. Journal of Biological Chemistry, 2015, 290, 30830-30842.	1.6	36

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150	The Molecular Signatures Database Hallmark Gene Set Collection. <i>Cell Systems</i> , 2015, 1, 417-425.	2.9	7,719
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