

# MicroRNA-146a and microRNA-146b expression and ant airway smooth muscle

American Journal of Physiology - Lung Cellular and Molecular P  
307, L727-L734

DOI: [10.1152/ajplung.00174.2014](https://doi.org/10.1152/ajplung.00174.2014)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Does miRNAâ€155 Promote Cyclooxygenaseâ€2 Expression in Cancer?. Drug Development Research, 2015, 76, 354-356.	1.4	8
2	Deep Sequencing Analysis of miRNA Expression in Breast Muscle of Fast-Growing and Slow-Growing Broilers. International Journal of Molecular Sciences, 2015, 16, 16242-16262.	1.8	47
3	Delivery of microRNA-146a with polyethylenimine nanoparticles inhibits renal fibrosis in vivo. International Journal of Nanomedicine, 2015, 10, 3475.	3.3	76
4	ncRNA-regulated immune response and its role in inflammatory lung diseases. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1076-L1087.	1.3	28
6	microRNA and Allergy. Advances in Experimental Medicine and Biology, 2015, 888, 331-352.	0.8	34
7	Contributing factors to the development of childhood asthma: working toward risk minimization. Expert Review of Clinical Immunology, 2015, 11, 721-735.	1.3	7
8	Role of microRNAs in allergic asthma. Current Opinion in Allergy and Clinical Immunology, 2015, 15, 156-162.	1.1	46
9	Poly(I:C) induced microRNA-146a regulates epithelial barrier and secretion of proinflammatory cytokines in human nasal epithelial cells. European Journal of Pharmacology, 2015, 761, 375-382.	1.7	25
10	miR-124 regulates fetal pulmonary epithelial cell maturation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L400-L413.	1.3	27
11	Epigenetic targets for novel therapies of lung diseases. , 2015, 147, 91-110.		71
12	Molecular Background of miRNA Role in Asthma and COPD: An Updated Insight. BioMed Research International, 2016, 2016, 1-10.	0.9	42
13	Cyclooxygenase 2: its regulation, role and impact in airway inflammation. Clinical and Experimental Allergy, 2016, 46, 397-410.	1.4	111
14	Bronchoalveolar Lavage Fluid microRNA-146a. Journal of Occupational and Environmental Medicine, 2016, 58, e177-e182.	0.9	9
15	Emerging concepts in smooth muscle contributions to airway structure and function: implications for health and disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L1113-L1140.	1.3	108
16	Evaluation of the Tobacco Heating System 2.2 (THS2.2). Part 5: microRNA expression from a 90-day rat inhalation study indicates that exposure to THS2.2 aerosol causes reduced effects on lung tissue compared with cigarette smoke. Regulatory Toxicology and Pharmacology, 2016, 81, S82-S92.	1.3	37
17	Toll-Like Receptors in Cystic Fibrosis: Impact of Dysfunctional microRNA on Innate Immune Responses in the Cystic Fibrosis Lung. Journal of Innate Immunity, 2016, 8, 541-549.	1.8	14
18	miR-146b antagomirâ€treated human Tregs acquire increased GVHD inhibitory potency. Blood, 2016, 128, 1424-1435.	0.6	70
19	MicroRNA-146a expression inhibits the proliferation and promotes the apoptosis of bronchial smooth muscle cells in asthma by directly targeting the epidermal growth factor receptor. Experimental and Therapeutic Medicine, 2016, 12, 854-858.	0.8	24

#	ARTICLE	IF	CITATIONS
20	MiR-196a regulates heme oxygenase-1 by silencing Bach1 in the neonatal mouse lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L400-L411.	1.3	25
21	Interaction between allergic asthma and atherosclerosis. <i>Translational Research</i> , 2016, 174, 5-22.	2.2	17
22	Role of miR-146a in Enforcing Effect of Specific Immunotherapy on Allergic Rhinitis. <i>Immunological Investigations</i> , 2016, 45, 1-10.	1.0	26
23	MicroRNA regulation of airway smooth muscle function. <i>Biological Chemistry</i> , 2016, 397, 507-511.	1.2	7
24	Integrative transcriptomic and protein analysis of human bronchial BEAS-2B exposed to seasonal urban particulate matter. <i>Environmental Pollution</i> , 2016, 209, 87-98.	3.7	74
25	microRNAs Regulate Host Immune Response and Pathogenesis During Influenza Infection in Rhesus Macaques. <i>Viral Immunology</i> , 2016, 29, 212-227.	0.6	10
26	Circulating microRNA Signatures in Rodent Models of Pain. <i>Molecular Neurobiology</i> , 2016, 53, 3416-3427.	1.9	26
27	Altered miR-155 Expression in Allergic Asthmatic Airways. <i>Scandinavian Journal of Immunology</i> , 2017, 85, 300-307.	1.3	37
28	MicroRNA Profiling in Asthma: Potential Biomarkers and Therapeutic Targets. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 57, 642-650.	1.4	55
29	Association of the miR-196a2, miR-146a, and miR-499 Polymorphisms with Asthma Phenotypes in a Korean Population. <i>Molecular Diagnosis and Therapy</i> , 2017, 21, 547-554.	1.6	24
30	miR-146a promotes growth of osteosarcoma cells by targeting ZNRF3/GSK-3 $\beta$ / $\beta$ -catenin signaling pathway. <i>Oncotarget</i> , 2017, 8, 74276-74286.	0.8	22
31	Oligonucleotide Therapy for Obstructive and Restrictive Respiratory Diseases. <i>Molecules</i> , 2017, 22, 139.	1.7	30
32	Non-Coding RNAs in Pediatric Airway Diseases. <i>Genes</i> , 2017, 8, 348.	1.0	34
33	Novel Modulators of Asthma and Allergy: Exosomes and MicroRNAs. <i>Frontiers in Immunology</i> , 2017, 8, 826.	2.2	72
34	Association Between Coronary Artery Disease and MicroRNA: Literature Review and Clinical Perspective. <i>Cureus</i> , 2017, 9, e1188.	0.2	16
35	Circulating, Cell-Free Micro-RNA Profiles Reflect Discordant Development of Dementia in Monozygotic Twins. <i>Journal of Alzheimer's Disease</i> , 2018, 63, 591-601.	1.2	9
36	Circulating miR-146a/b correlates with inflammatory cytokines in COPD and could predict the risk of acute exacerbation COPD. <i>Medicine (United States)</i> , 2018, 97, e9820.	0.4	26
37	The role of regulatory RNAs (miRNAs) in asthma. <i>Allergologia Et Immunopathologia</i> , 2018, 46, 201-205.	1.0	31

#	ARTICLE	IF	CITATIONS
38	Mannose receptor modulates macrophage polarization and allergic inflammation through miR-511-3p. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 350-364.e8.	1.5	91
39	Macrophage polarization and allergic asthma. <i>Translational Research</i> , 2018, 191, 1-14.	2.2	246
40	Cytokine-mediated modulation of the hepatic miRNome: miR-146b-5p is an IL-6-inducible miRNA with multiple targets. <i>Journal of Leukocyte Biology</i> , 2018, 104, 987-1002.	1.5	17
41	miR-155 Modulates Cockroach Allergen- and Oxidative Stress-Induced Cyclooxygenase-2 in Asthma. <i>Journal of Immunology</i> , 2018, 201, 916-929.	0.4	53
42	Therapeutic Effect of Extracellular Vesicles Derived From Adult/Perinatal Human Mesenchymal Stem Cells. , 2018, , 201-215.		2
43	Circulating microRNAs and prediction of asthma exacerbation in childhood asthma. <i>Respiratory Research</i> , 2018, 19, 128.	1.4	70
44	Integrated Lung and Tracheal mRNA-Seq and miRNA-Seq Analysis of Dogs with an Avian-Like H5N1 Canine Influenza Virus Infection. <i>Frontiers in Microbiology</i> , 2018, 9, 303.	1.5	18
45	Comparison of multi-lineage differentiation of hiPSCs reveals novel miRNAs that regulate lineage specification. <i>Scientific Reports</i> , 2018, 8, 9630.	1.6	15
46	Traction Force Screening Enabled by Compliant PDMS Elastomers. <i>Biophysical Journal</i> , 2018, 114, 2194-2199.	0.2	50
47	Modulation of Mast Cell Toll-Like Receptor 3 Expression and Cytokines Release by Histamine. <i>Cellular Physiology and Biochemistry</i> , 2018, 46, 2401-2411.	1.1	13
48	Airway smooth muscle may drive mucus hypersecretion in asthma. <i>European Respiratory Journal</i> , 2018, 52, 1801166.	3.1	3
49	Expression of miR-155, miR-146a, and miR-326 in T1D patients from Chile: relationship with autoimmunity and inflammatory markers. <i>Archives of Endocrinology and Metabolism</i> , 2018, 62, 34-40.	0.3	22
50	Asthma MicroRNA Regulome Development Using Validated miRNA-Target Interaction Visualization. <i>OMICS A Journal of Integrative Biology</i> , 2018, 22, 607-615.	1.0	9
51	miR-146a Mimics Attenuate Allergic Airway Inflammation by Impacted Group 2 Innate Lymphoid Cells in an Ovalbumin-Induced Asthma Mouse Model. <i>International Archives of Allergy and Immunology</i> , 2018, 177, 302-310.	0.9	22
52	Asthma diagnosis using integrated analysis of eosinophil microRNAs. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019, 74, 507-517.	2.7	51
53	Transcriptomic studies provide insights into the tumor suppressive role of miR-146a-5p in non-small cell lung cancer (NSCLC) cells. <i>RNA Biology</i> , 2019, 16, 1721-1732.	1.5	15
54	Astrocytes in the Pathogenesis of Multiple Sclerosis: An In Situ MicroRNA Study. <i>Journal of Neuropathology and Experimental Neurology</i> , 2019, 78, 1130-1146.	0.9	13
55	Deducting MicroRNA-Mediated Changes Common in Bronchial Epithelial Cells of Asthma and Chronic Obstructive Pulmonary Disease- A Next-Generation Sequencing-Guided Bioinformatic Approach. <i>International Journal of Molecular Sciences</i> , 2019, 20, 553.	1.8	35

#	ARTICLE	IF	CITATIONS
56	A Review of Macrophage MicroRNAs™ Role in Human Asthma. <i>Cells</i> , 2019, 8, 420.	1.8	31
57	Role of Airway Smooth Muscle Cells in Asthma Pathology. , 0, , .		2
58	Reduced expression of miR-146a in human bronchial epithelial cells alters neutrophil migration. <i>Clinical and Translational Allergy</i> , 2019, 9, 62.	1.4	26
59	A combination of LCPUFAs regulates the expression of miRNA-146a-5p in a murine asthma model and human alveolar cells. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 147, 106378.	1.0	16
60	An Integrative miRNA-mRNA Expression Analysis Reveals Striking Transcriptomic Similarities between Severe Equine Asthma and Specific Asthma Endotypes in Humans. <i>Genes</i> , 2020, 11, 1143.	1.0	11
61	Spotlight on microRNAs in allergy and asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 1661-1678.	2.7	98
62	miRNAÂ146b-5p protects against atherosclerosis by inhibiting vascular smooth muscle cell proliferation and migration. <i>Epigenomics</i> , 2020, 12, 2189-2204.	1.0	11
63	Inhibiting Airway Smooth Muscle Contraction Using Pitavastatin: A Role for the Mevalonate Pathway in Regulating Cytoskeletal Proteins. <i>Frontiers in Pharmacology</i> , 2020, 11, 469.	1.6	2
64	MicroRNAs in chronic airway diseases: Clinical correlation and translational applications. <i>Pharmacological Research</i> , 2020, 160, 105045.	3.1	20
65	The impact of microRNAs on alterations of gene regulatory networks in allergic diseases. <i>Advances in Protein Chemistry and Structural Biology</i> , 2020, 120, 237-312.	1.0	26
66	miRNA 146a-5p-loaded poly(<sc>d</sc>,<sc>l</sc>-lactic-co-glycolic acid)Ânanoparticles impair pain behaviors by inhibiting multiple inflammatory pathways in microglia. <i>Nanomedicine</i> , 2020, 15, 1113-1126.	1.7	17
67	MicroRNA Targets for Asthma Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1303, 89-105.	0.8	5
68	The Impact of Non-coding RNA Networks on Disease Comorbidity: Cardiometabolic Diseases, Inflammatory Diseases, and Cancer. , 2021, , 247-265.		0
69	Genetics and Epigenetics in Asthma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2412.	1.8	74
70	miRNAs and Leukotrienes in Respiratory Syncytial Virus Infection. <i>Frontiers in Pediatrics</i> , 2021, 9, 602195.	0.9	5
72	Epithelial microRNA-206 targets CD39/extracellular ATP to upregulate airway IL-25 and TSLP in type 2-high asthma. <i>JCI Insight</i> , 2021, 6, .	2.3	16
73	Effects of mesenchymal stromal cellâ€derived extracellular vesicles in acute respiratory distress syndrome (ARDS): Current understanding and future perspectives. <i>Journal of Leukocyte Biology</i> , 2021, 110, 27-38.	1.5	10
74	Potential biomarkers of infertility associated with microbiome imbalances. <i>American Journal of Reproductive Immunology</i> , 2021, 86, e13438.	1.2	13

#	ARTICLE	IF	CITATIONS
75	Amniotic fluid-derived extracellular vesicles: characterization and therapeutic efficacy in an experimental model of bronchopulmonary dysplasia. <i>Cytotherapy</i> , 2021, 23, 1097-1107.	0.3	17
76	MicroRNAs as Potential Regulators of Immune Response Networks in Asthma and Chronic Obstructive Pulmonary Disease. <i>Frontiers in Immunology</i> , 2020, 11, 608666.	2.2	34
77	Epigenetics in Health and Disease. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1253, 3-55.	0.8	317
80	Pleiotropic Effects of Bitter Taste Receptors on [Ca <sup>2+</sup> ] <sub>i</sub> Mobilization, Hyperpolarization, and Relaxation of Human Airway Smooth Muscle Cells. <i>PLoS ONE</i> , 2015, 10, e0131582.	1.1	40
81	Dysregulated expression of microRNAs and mRNAs in pulmonary artery remodeling in ascites syndrome in broiler chickens. <i>Oncotarget</i> , 2017, 8, 1993-2007.	0.8	23
82	DNA damage response (DDR) and senescence: shuttled inflamma-miRNAs on the stage of inflamm-aging. <i>Oncotarget</i> , 2015, 6, 35509-35521.	0.8	127
83	The influence of genetic variability in IL1B and MIR146A on the risk of pleural plaques and malignant mesothelioma. <i>Radiology and Oncology</i> , 2020, 54, 429-436.	0.6	4
84	Epigenetic targets for therapeutic approaches in COPD and asthma. <i>Nutrigenomics &amp; possible or illusive. Folia Medica</i> , 2019, 61, 358-369.	0.2	4
85	<i>Aspergillus fumigatus</i> "Secreted Alkaline Protease 1 Mediates Airways Hyperresponsiveness in Severe Asthma. <i>ImmunoHorizons</i> , 2019, 3, 368-377.	0.8	12
86	Potential therapeutic targets from genetic and epigenetic approaches for asthma. <i>World Journal of Translational Medicine</i> , 2016, 5, 14.	3.5	1
87	MicroRNA miR-21 and miR-146a expression in male with a combination of bronchial asthma and chronic obstructive pulmonary disease. <i>Pulmonologiya</i> , 2020, 30, 263-269.	0.2	2
88	miR-146b-5p promotes VSMC proliferation and migration. <i>International Journal of Clinical and Experimental Pathology</i> , 2015, 8, 12901-7.	0.5	25
89	Chronic Inflammation as the Underlying Mechanism of the Development of Lung Diseases in Psoriasis: A Systematic Review. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1767.	1.8	8
90	microRNAs in inflammation processes. , 2022, , 77-90.		0
91	miR-155: A Potential Biomarker for Predicting Mortality in COVID-19 Patients. <i>Journal of Personalized Medicine</i> , 2022, 12, 324.	1.1	15
94	The Interaction Network of MicroRNAs with Cytokines and Signaling Pathways in Allergic Asthma. <i>MicroRNA (Shariqah, United Arab Emirates)</i> , 2022, 11, 104-117.	0.6	2
95	Significance of Cyclooxygenase-2 gene polymorphism and related miRNAs in pulmonary arterial hypertension. <i>Clinical Biochemistry</i> , 2022, 107, 33-39.	0.8	2
96	TLR7 Mediates Acute Respiratory Distress Syndrome in Sepsis by Sensing Extracellular miR-146a. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 67, 375-388.	1.4	12

#	ARTICLE	IF	CITATIONS
97	Role of microRNAs in type 2 diseases and allergen-specific immunotherapy. <i>Frontiers in Allergy</i> , 0, 3, .	1.2	2
98	Infant consumption of microRNA miR-375 in human milk lipids is associated with protection from atopy. <i>American Journal of Clinical Nutrition</i> , 2022, 116, 1654-1662.	2.2	8
99	Reduced miR-146a-5p Is a Biomarker of Infant Respiratory Diseases Contributing to Immune Dysregulation in Small Airway Epithelial Cells. <i>Cells</i> , 2022, 11, 2746.	1.8	0
101	Advances and Highlights of miRNAs in Asthma: Biomarkers for Diagnosis and Treatment. <i>International Journal of Molecular Sciences</i> , 2023, 24, 1628.	1.8	5
102	Diagnosis and Treatment in Asthma and Allergic Rhinitis: Past, Present, and Future. <i>Applied Sciences (Switzerland)</i> , 2023, 13, 1273.	1.3	1
103	miR-146a, miR-221, and miR-155 are Involved in Inflammatory Immune Response in Severe COVID-19 Patients. <i>Diagnostics</i> , 2023, 13, 133.	1.3	10
104	Tear Film MicroRNAs as Potential Biomarkers: A Review. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3694.	1.8	7
105	miR-146a-3p as a potential novel therapeutic by targeting MBD2 to mediate Th17 differentiation in Th17 predominant neutrophilic severe asthma. <i>Clinical and Experimental Medicine</i> , 2023, 23, 2839-2854.	1.9	7
106	MicroRNA-146b-5p Suppresses Pro-Inflammatory Mediator Synthesis via Targeting TRAF6, IRAK1, and RELA in Lipopolysaccharide-Stimulated Human Dental Pulp Cells. <i>International Journal of Molecular Sciences</i> , 2023, 24, 7433.	1.8	0
107	Noncoding RNAs in asthmatic airway smooth muscle cells. <i>European Respiratory Review</i> , 2023, 32, 220184.	3.0	1
110	Long non coding RNAs reveal important pathways in childhood asthma: a future perspective. <i>Journal of Molecular Histology</i> , 2023, 54, 257-269.	1.0	5