

1. Dihydroartemisinin ameliorated the inflammatory response and regulated miRNA-mRNA expression profile of chronic nonbacterial prostatitis

Jie Hu, Yan Zhou, Junhao Wang, Jianpeng Han, Jianyong Feng, Wenbin Chen, Kuo Guo, Yongzhang Li

Keywords: inflammation, dihydroartemisinin, chronic nonbacterial prostatitis, small RNA sequencing

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<https://advances.umw.edu.pl/en/article/2024/33/8/817/>

2. The Effect of A2A Receptor Antagonist (SCH 442416) on the mRNA Expression of Kir 2.1 and Kir 4.1 Channels in Rat Retinal Müller Cells Under Hypoxic Conditions in Vitro

Xiaoli Kang, Jun Yu, Yan Wei, Peiquan Zhao

Keywords: Müller cells, Kir 4.1 channels, Kir 2.1 channels, A2A receptor antagonist, hypoxia

2013, vol. 22, nr 6

<https://advances.umw.edu.pl/en/article/2013/22/6/825/>

3. Increased Expression of TLR4 and TLR7 but Not Prolactin mRNA by Peripheral Blood Monocytes in Active Celiac Disease

Iva Brynychova, Iva Hoffmanova, Milos Dvorak, Pavlina Dankova

Keywords: celiac disease, monocytes, cytokines, prolactin, innate immunity

2016, vol. 25, nr 5

<https://advances.umw.edu.pl/en/article/2016/25/5/887/>

4. The influence of statin monotherapy and statin-ezetimibe combined therapy on FoxP3 and IL 10 mRNA expression in patients with coronary artery disease

Paulina Jackowska, Maciej Chałubiński, Emilia Łuczak, Katarzyna Wojdan, Paulina Gorzelak-Pabis, Małgorzata Olszewska-Banaszczyk, Marlena Broncel

Keywords: statins, ezetimibe, FOXP3, IL-10, regulatory T cells

2019, vol. 28, nr 9

<https://advances.umw.edu.pl/en/article/2019/28/9/1243/>

5. Differential Expression of MicroRNAs in Chronic Obstructive Pulmonary Disease

Murat Kara, Gamze Kirkil, Serdar Kalemci

Keywords: COPD, MicroRNAs, smoking cigarettes

2016, vol. 25, nr 1

<https://advances.umw.edu.pl/en/article/2016/25/1/21/>

6. Transferrin receptor modulated by microRNA-497-5p suppresses cervical cancer cell malignant phenotypes

Xiangming Fang, Pei Hu, Ying Gao, Chuqiao Chen, Jianqing Xu

Keywords: miR-497-5p, TFRC, biological function, cervical cancer

2024, vol. 33, nr 3

<https://advances.umw.edu.pl/en/article/2024/33/3/273/>

7. Relations between circulating and myocardial fibrosis-linked microRNAs with left ventricular reverse remodeling in dilated cardiomyopathy

Ewa Dziewięcka, Justyna Totoń-Żurańska, Paweł Wołkow, Maria Kołton-Wróż, Ewelina Pitera, Sylwia Wiśniowska-Śmiałek, Lusine Khachatryan, Aleksandra Karabinowska, Maria Szymonowicz, Piotr Podolec, Paweł Rubiś

Keywords: microRNA, dilated cardiomyopathy, left ventricle reverse remodeling

2020, vol. 29, nr 3

<https://advances.umw.edu.pl/en/article/2020/29/3/285/>

8. MicroRNA gene methylation landscape in pediatric B-cell precursor acute lymphoblastic leukemia

Radosław Chaber, Artur Gurgul, Jacek Tabarkiewicz, Grażyna Wróbel, Tomasz Szmatoła, Igor Jasielczuk, Olga Haus, Monika Lejman, Blanka Rybka, Renata Ryczan-Krawczyk, Anna Jaśkowiec, Sylwia Paszek, Natalia Potocka, Christopher J. Arthur, Wioletta Bał, Kornelia Łach, Aneta Kowal, Izabela Zawlik, Elżbieta Latos-Grażyńska

Keywords: children, microRNA, methylation, BCP ALL

2022, vol. 31, nr 3

<https://advances.umw.edu.pl/en/article/2022/31/3/293/>

9. MicroRNA-139-5p negatively regulates NME1 expression in hepatocellular carcinoma cells
Jun Yang, De Zhi Li, Yu Pang, Tao Zhou, Jia Sun, Xian Yi Cheng, Wei V. Zheng

Keywords: microRNA, hepatocellular carcinoma, bioinformatics analysis, NME1

2022, vol. 31, nr 6

<https://advances.umw.edu.pl/en/article/2022/31/6/655/>

10. MicroRNA-197 promotes proliferation and inhibits apoptosis of gallbladder cancer cells by targeting insulin-like growth factor-binding protein 3

Li Tong, Jinglin Cheng, Heping Zuo, Jingrong Li

Keywords: apoptosis, proliferation, gallbladder carcinoma, IGFBP3, miR-197

2021, vol. 30, nr 7

<https://advances.umw.edu.pl/en/article/2021/30/7/661/>

11. MicroRNA-548k upregulates a spliced variant of human CD2-associated protein by targeting its promoter

Nannan Li, Guoping Zhou

Keywords: transcriptional regulation, gene promoters, CD2-associated protein, microRNA-548k, spliced variant

2020, vol. 29, nr 6

<https://advances.umw.edu.pl/en/article/2020/29/6/677/>

12. MicroRNA-124 represses wound healing by targeting SERP1 and inhibiting the Wnt/ β -catenin pathway

Guohui Zhang, Kunxiu Song, Hongshan Yan

Keywords: wound healing, collagen biosynthesis, Wnt/ β -catenin pathway, miR-124, keratinocyte proliferation

2019, vol. 28, nr 6

<https://advances.umw.edu.pl/en/article/2019/28/6/711/>

13. Plasmatic microRNA as Potential Biomarkers of Multiple Sclerosis: Literature Review

Magdalena J. Kacperska, Jakub Walenczak, Bartłomiej Tomasik

Keywords: multiple sclerosis, plasma miRNA, biomarkers, role of miRNA in MS
2016, vol. 25, nr 4

<https://advances.umw.edu.pl/en/article/2016/25/4/775/>

14. MicroRNA in cardiovascular biology and disease

Anna Wojciechowska, Agata Braniewska, Katarzyna Kozar-Kamińska

Keywords: microRNA, cardiovascular disease, heart regeneration, heart development
2017, vol. 26, nr 5

<https://advances.umw.edu.pl/en/article/2017/26/5/865/>

15. Rise in antifibrotic and decrease in profibrotic microRNA protect the heart against fibrosis during pregnancy: A preliminary study

Ewa Szczerba, Agnieszka Zajkowska, Anna Bochowicz, Katarzyna Pankiewicz, Grzegorz Szewczyk, Katarzyna Markiewicz, Grzegorz Opolski, Tomasz Maciejewski, Maciej Małecki, Anna Fijałkowska

Keywords: pregnancy, microRNA, cardiac remodeling, cardiac fibrosis, volume overload
2018, vol. 27, nr 7

<https://advances.umw.edu.pl/en/article/2018/27/7/867/>

16. MicroRNA-24 inhibits CDX1 expression in decidual tissues of recurrent spontaneous abortion mice to reduce the abortion risk

Shuyan Wang, Shishan Guo, Xiaoyan Hou

Keywords: spontaneous abortion, caudal-type homeobox protein 1, microRNA-24
2020, vol. 29, nr 8

<https://advances.umw.edu.pl/en/article/2020/29/8/929/>

17. MicroRNAs in the Occurrence and Development of Primary Hepatocellular Carcinoma

Jie Xu, Ji Li, Tai-Hao Zheng, Lian Bai, Zuo-Jin Liu

Keywords: microRNA, HCC, occurrence, development, biomarkers
2016, vol. 25, nr 5

<https://advances.umw.edu.pl/en/article/2016/25/5/971/>

18. Profiling of microRNA as a tool to introduce rAAV vectors in gene therapy of breast cancer: A preliminary report

Agnieszka Zajkowska, Milena Czajka, Krystian Gulik, Krzysztof Gawrychowski, Maciej Małecki

Keywords: breast cancer, microRNA, gene therapy, rAAV
2023, vol. 32, nr 10

<https://advances.umw.edu.pl/en/article/2023/32/10/1201/>

19. Gene network analysis of the transcriptome impact of methylated microRNAs on oral squamous cell carcinoma

Emilia Gabriela Avram, Ioana Alexandra Moatar, Viktorian Miok, Flavia Baderca, Corina Samoila, Anda Alexa, Ioana Nicoleta Andreescu, Angela Podariu, Catalin Marian, Ioan Ovidiu Sirbu

Keywords: DNA methylation, microRNAs, network analysis, oral squamous cell carcinoma
2022, vol. 31, nr 11

<https://advances.umw.edu.pl/en/article/2022/31/11/1231/>

20. MicroRNA-451 increases vascular permeability and suppresses angiogenesis in pulmonary burn injury in a rat model

Jie Zhou, Huibin Lian, Gang Xu, Tianlan Zhao

Keywords: angiogenesis, burn, endothelial cell, miRNA-451, hyperpermeability

2020, vol. 29, nr 11

<https://advances.umw.edu.pl/en/article/2020/29/11/1241/>

21. MicroRNA-221 inhibits the transition of endothelial progenitor cells to mesenchymal cells via the PTEN/FoxO3a signaling pathway

En Zhou, Yinghua Zou, Chengyu Mao, Dongjiu Li, Changqian Wang, Zongqi Zhang

Keywords: EPC, miR-221, EndMT, PTEN/FoxO3a

2021, vol. 30, nr 12

22. Identification and functional analysis of changes to the ox-LDL-induced microRNA-124-3p/DLX5 axis in vascular smooth muscle cells

Chunwen Jia, Feng Gao, Yanan Zhao, Siyang Ji, Shidao Cai

Keywords: atherosclerosis, microRNA, vascular smooth muscle cell, oxidized low-density lipoprotein, DLX5

2021, vol. 30, nr 12

<https://advances.umw.edu.pl/en/article/2021/30/12/1271/>

23. MicroRNA-125b overexpression in pseudoexfoliation syndrome

Martyna Tomczyk-Socha, Dagmara Baczyńska, Joanna Przeździecka-Dołyk, Anna Turno-Kręcicka

Keywords: microRNA, pseudoexfoliation syndrome, pseudoexfoliation glaucoma, miR-125b, lens capsule

2020, vol. 29, nr 12

<https://advances.umw.edu.pl/en/article/2021/30/12/1271/>

24. An analysis of the clinical significance of the TKI-resistant gene ZNF687 for hepatocellular carcinoma patients

Guan-Lan Zhang, Jian-Di Li, Ji-Feng He, Kun-Jun Wu, Ying-Yu Mo, Song-Yang Zhong, Xuan-Fei Wang, Fei-Fei Wu, Yi-Si Qin, Hong Zhao, Zhi-Guang Huang, Gang Chen, Rong-Quan He

Keywords: tyrosine kinase inhibitor, resistance, mRNA, hepatocellular carcinoma, ZNF687

Ahead of print

<https://advances.umw.edu.pl/en/ahead-of-print/188425/>

25. Radiation induces submandibular gland damage by affecting Cdkn1a expression and regulating expression of miR-486a-3p in a xerostomia mouse model

Wei Wang, Caizhi Xiao, Hong Chen, Fangfei Li, Dongqin Xia

Keywords: xerostomia, electron radiation, miRNA-mRNA targeting interaction, miR-486a-3p, Cdkn1a

2021, vol. 30, nr 9

<https://advances.umw.edu.pl/en/article/2021/30/9/933/>

26. miR-214-5p increases the radiosensitivity of cervical cancer by targeting ROCK1 expression

Junqin Zhang, Yaxing Li, Yanan Ren, Jie Li, Hua Han, Ping Yan

Keywords: radiosensitivity, ROCK1, cervical cancer, microRNA-214-5p

2024, vol. 33, nr 3

<https://advances.umw.edu.pl/en/issue/2024/33/3/>

27. Inhibition of miR-205 promotes proliferation, migration and fibrosis of tenocytes through targeting MECP2: Implications for rotator cuff injury

Xiuhua Mao, Zhenchun Yin

Keywords: microRNA, fibrosis, miR-205, cell proliferation and migration, rotator cuff injury

2022, vol. 31, nr 4

<https://advances.umw.edu.pl/en/article/2022/31/4/437/>

28. Expressions of miR-122a and miR-3195 in laryngeal cancer and their effects on the proliferation and apoptosis of laryngeal cancer cell Hep-2

Xingli Jiang, Zhiguang Gao, Linli Tian, Ming Liu

Keywords: apoptosis, microRNAs, cell proliferation, laryngeal neoplasms

2020, vol. 29, nr 5

<https://advances.umw.edu.pl/en/article/2020/29/5/525/>

29. Knockdown of long noncoding RNA Malat1 aggravates hypoxia-induced cardiomyocyte injury by targeting miR-217

Yuan Yao, Xiaoying Fan, Bo Yu, Tianfa Li, Yao Zhang

Keywords: myocardial ischemia, Malat1, hypoxia-induced cell injury, microRNA-217, sirtuin 1

2019, vol. 28, nr 6

<https://advances.umw.edu.pl/en/article/2019/28/6/719/>

30. Tumor suppressor miR-520a inhibits cell growth by negatively regulating PI3K/AKT signaling pathway in acute myeloid leukemia

Jing Xiao, Fang Wan, Lin Tian, Yao Li

Keywords: microRNA, cell proliferation, AO/EB staining, apoptosis, acute myeloid leukemia

2024, vol. 33, nr 7

<https://advances.umw.edu.pl/en/article/2024/33/7/729/>

31. Combined bioinformatics and machine learning methodologies reveal prognosis-related ceRNA network and propose ABCA8, CAT, and CXCL12 as independent protective factors against osteosarcoma

Jiaqi Fan, Jianhong Liao, Yuwen Huang

Keywords: prognosis, microRNA, osteosarcoma, circular RNA, competitive endogenous RNA

2024, vol. 33, nr 8

<https://advances.umw.edu.pl/en/ahead-of-print/172663/>

32. Differential altered expression of let-7a and miR-205 tumor-suppressor miRNAs in different subtypes of breast cancer under treatment with Taxol

Faezeh Asghari, Navideh Haghnavaz, Darioush Shanehbandi, Vahid Khaze, Behzad Baradaran,

Tohid Kazemi

Keywords: breast cancer, microRNA, tumor-suppressor, Taxol
2018, vol. 27, nr 7

<https://advances.umw.edu.pl/en/article/2018/27/7/941/>

33. Adipose tissue miRNA level variation through conjugated linoleic acid supplementation in diet-induced obese rats

Maryam Nazari, Alihossein Saberi, Majid Karandish, Mohammad Taha Jalali

Keywords: obesity, microRNA, high-fat diet, conjugated linoleic acid

2018, vol. 27, nr 11

<https://advances.umw.edu.pl/en/article/2018/27/11/1477/>