

Najważniejsze Publikacje:

Rok 2018

1. Jin H, **Ciechanowicz AK**, Kaplan AR, Wang L, Zhang PX, Lu YC, Tobin RE, Tobin BA, Cohn L, Zeiss CJ, Lee PJ, Bruscia EM, Krause DS., Surfactant Protein C dampens inflammation by decreasing JAK/STAT activation during lung repair, *Am J Physiol Lung Cell Mol Physiol*, 2018, doi:10.1152/ajplung.00418.2017, IF- 4,281, MNiSW - 35
2. **Ratajczak M.Z.**: Stem cells and mechanisms regulating their trafficking - a new and challenging area of investigation in modern psychiatry. *Prog Neuropsychopharmacol Biol Psychiatry*. 2018 Jan 3;80(Pt A):1-2. doi: 10.1016/j.pnpbp.2017.08.018. IF: 4,187, MNiSW: 35
3. Kucharska-Mazur J., Jabłoński M., Misiak B., Frydecka D., Rybakowski J., **Ratajczak M.Z.**, Samochowicz J.: Adult stem cells in psychiatric disorders - New discoveries in peripheral blood. *Prog Neuropsychopharmacol Biol Psychiatry*. 2018 Jan 3;80(Pt A):23-27. doi: 10.1016/j.pnpbp.2017.04.005. Epub 2017 Apr 7. IF: 4,187, MNiSW: 35
4. Marlicz W., Poniewierska-Baran A., Rzeszotek S., Bartoszewski R., Skonieczna - Żydecka K., Starzyńska T., **Ratajczak M.Z.**, A novel potential role of pituitary gonadotropins in the pathogenesis of human colorectal cancer, *PLoS ONE*, 13(3), :doi 10.1371, IF: 2.806, MNiSW: 40
5. **Ratajczak M., Adamiak M., Plonka M., Abdel-Latif A., Ratajczak J.** Mobilization of hematopoietic stem cells as a result of innate immunity-mediated sterile inflammation in the bone marrow microenvironment—the involvement of extracellular nucleotides and purinergic signaling, *Leukemia*, 2018, doi /doi.org/10.1038/s41375-018-0087-z, IF 11,702, MNiSW 45
6. **Adamiak M., Bujko K, Cymer M., Płonka M., Glaser T., Kucia M., Ratajczak J., Ulrich H., Abdel - Latif A., Ratajczak M.Z.**, Novel evidence that extracellular nucleotides and purinergic signaling induce innate immunity-mediated mobilization of hematopoietic stem/progenitor cells, *Leukemia*, 2018, doi.org/10.1038/s41375-018-0122-0, IF 11,702, MNiSW 45
7. **Ratajczak M.Z., Pędziwiatr D, Cymer M., Kucia M.,** Kucharska-Mazur J., Samochowicz J., Sterile inflammation of Brain, due to Activation of innate immunity, as a Culprit in Psychiatric Disorders, *Frontiers in Psychiatry*, doi: 10.3389/fpsy.2018.00060, IF 3,532, MNiSW
8. Sarah A. Bliss, Sunirmal Paul, Piotr W. Pobiarzyn1, Seda Ayer, Garima Sinha, SaumyaPant, Holly Hilton, Neha Sharma, Maria F. Cunha, Daniel J. Engelberth, Steven J. Greco, Margarette Bryan, **Magdalena J. Kucia**, Sham S. Kakar, **Mariusz Z. Ratajczak**, Pranela Rameshwar, Evaluation of a developmental hierarchy for breast cancer cells to assess risk-based patient selection for targeted treatment, *Scientific Reports*, DOI:10.1038/s41598-017-188345, IF 4.122, MNiSW 40
9. A. Abdelbaset-Ismail, **M. Cymer**, S. Borkowska-Rzeszotek, K. Brzeźniakiewicz-Janus, P. Rameshwar, S. S. Kakar, J. Ratajczak, **M. Z. Ratajczak**, : Bioactive Phospholipids Enhance Migration and Adhesion of Human Leukemic Cells by Inhibiting Heme Oxygenase 1 (HO-1) and Inducible Nitric Oxygenase Synthase (iNOS) in a p38

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10. **M.Z. Ratajczak**, K. Bujko, A. Mack, **M. Kucia**, J.Ratajczak,: Cancer from the perspective of stem cells and misappropriated tissue regeneration mechanisms, Leukemia, DOI.org/10.1038/s41375-018-0294-7, IF 10.023, MNiSW 45
11. Z. Payne Sellers, G. Schneider, M. Maj, **M. Z. Ratajczak**,: Analysis of the Paternally-Imprinted DLK1–MEG3 and IGF2–H19 Tandem Gene Loci in NT2 Embryonal Carcinoma Cells Identifies DLK1 as a Potential Therapeutic Target, StemCell and Reviews and Reports, DOI 10.1007/s12015-018-9838-5, IF 2,79, MNiSW 25
12. H. Ulrich, **M. Z. Ratajczak**, G. Schneider, E. Adinolfi, E. Orioli , E. G. Ferrazoli , T. Glaser , J. Corrêa Velloso, P. C. M. Martins, F. Coutinho, A. P. J. Santos , M. M. Pillat, U. Sack, C. Lameu, : Kinin and Purine Signaling Contributes to Neuroblastoma Metastasis,Frontiers in Pharmacology, DOI 10.3389/fphar.2018.00500, IF 3,95, MNiSW 35
13. K.Golan,A. Kumari, O. Kollet,E. Khatib-Massalha, M. Devi Subramaniam,Z. S. Ferreira, F.Avemaria, S. Rzeszotek, A. Garcí'a-Garcí'a,S. Xie,E.Flores-Figueroa,S. Gur-Cohen,T. Itkin,A. Ludin-Tal,H. Massalha,B. Bernshtein, **A. K. Ciechanowicz**,A. Brandis,T. Mehlman,S.Bhattacharya,M. Bertagna,H. Cheng,E. Petrovich-Kopitman,T. Janus,N.Kaushansky,T. Cheng,I. Sagi, **M. Z. Ratajczak**,S. Me'ndez-Ferrer,J. E. Dick,R. P. Markus T. Lapidot,: Daily Onset of Light and Darkness Differentially Controls Hematopoietic Stem Cell Differentiation and Maintenance, Cell Stem Cell, 2018, 23(1-14), /doi.org/10.1016/j.stem.2018.08.00, IF 23,29, MNiSW
14. **M. Z. Ratajczak**, **M. Adamiak**, **M. Kucia**, W.Tse, J.Ratajczak, W. Wiktor-Jedrzejczak, : The emerging Link Between the Complement Cascade and Purinergic Signaling in Stress Hematopoiesis, Frontiers in Immunology, DOI 10.3389/fimmu.2018.01295, IF 5.511, MNiSW
15. Z. Payne Sellers, K. Bujko, G. Schneider, **M. Kucia**, **M. Z. Ratajczak**, : Novel evidence that pituitary sex hormones regulate migration, adhesion, and proliferation of embryonic stem cells and teratocarcinoma cells, Oncology Reports, 2018 , 39 (851-859), DOI: 10.3892/or.2017.6108, IF 2.976, MNiSW 20

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1. **Adamiak M.**, Abdelbaset-Ismail A. Suszyńska M., Abdel-Latif A., Ratajczak J, **Ratajczak M**, Novel evidence that the mannan-binding lectin pathway of complement activation plays a pivotal role in triggering mobilization of hematopoietic stem/progenitor cells by activation of both the complement and coagulation cascades, LEUKEMIA, 2017, 31(1), 262-265, DOI: 10.1038/leu.2016.278, IF: 11,702, MNiSW: 45
2. **Ratajczak M.**, Why are hematopoietic stem cells so 'sexy'? on a search for developmental explanation, LEUKEMIA, 2017, 31(8),1671 - 1677, DOI: 10.1038/leu.2017.148.,IF: 11,702, MNiSW: 45
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6. **Ratajczak M.**, Bartke A., Darzynkiewicz Z., Prolonged Growth Hormone/Insulin/Insulin-like Growth Factor Nutrient Response Signaling Pathway as a Silent Killer of Stem Cells and a Culprit in Aging, *Stem Cell*, 2017,13(4), 443-453, DOI: 10.1007/s12015-017-9728-2, IF: 2,967, MNiSW: 30,
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