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Education:

University of Belgrade, School of Biology, Belgrade, Serbia

1999 BSc in molecular biology and physiology

2001 MSc in immunology (thesis title: The influence of xenobiotics leflunomide and mycophenolic acid on inducible nitric oxide-gene expression in rat astrocytes and macrophages)

2002 PhD in biology (neuroimmunology) (thesis title: The role of interleukin-17 in the interaction between endothelial cells and lymphocytes)

Professional timeline

1999 Research trainee, Laboratory for Immunology, Department of Neurobiology and Immunology, Institute for Biological Research “Siniša Stanković”, Belgrade

2001-2003 Assistant Researcher

2003-2008 Researcher

2006-2007 Post-doc position at the Max Planck Institute for Neurobiology, Martinsried, Germany at prof. Wekerle’s Department for Neuroimmunology

- 2008- Research Professor, Department of Immunology, Institute for Biological Research “Siniša Stanković”, Belgrade
- 2009-2010 Coordinator of a bilateral project founded by Serbian Ministry of Science and Education and German Academic Exchange Service. Project title: The role of the spleen in controlling T cell-mediated autoimmunity
- 2010- Neuroimmunology Group Leader
- 2010 - 2014 Member of the Managing Committee of COST Action BM1001, ECMNET, Brain Extracellular Matrix in Health and Disease
- 2011 - 2020 Project leader, Project title: Cellular and molecular mechanisms of recovery of rats from experimental autoimmune encephalomyelitis, granted by Serbian Ministry of Science and Education, grant N° 173035
- 2011-2012 Coordinator of a bilateral project founded by Serbian Ministry of Science and Education and German Academic Exchange Service. Project title: Experimental autoimmune encephalomyelitis recovery mechanisms
- 2013 - 2018 Member of the Managing Committee of COST Action BM1305, A FACTT, Action to Focus and Accelerate Cell-based Tolerance-inducing Therapies
- 2014-2015 Coordinator of a DFG Grant to Support the Initiation of International Collaboration (DFG TR 1238/21). Project title: Characterization of cell death mechanisms in the central nervous system of rats suffering from experimental autoimmune encephalomyelitis.
- 2015 Head of the Department of Immunology, Institute for Biological Research “Siniša Stanković”, Belgrade
- 2018-2020 Project leader, Project title: Human gut microbiota transfer for novel insights into central nervous system autoimmunity pathogenesis, granted by the Alexander von Humboldt Foundation, Bonn, Germany
- 2021 Project leader, Project title: The role of gut microbiota and gut immune cells in the CNS-directed autoimmunity induced in rats without the use of the complete Freund’s adjuvant, granted by European Federation of Immunological Societies - EFIS (Eastern Star Award)
- 2022 Principal Investigator, Project title: Modulation of gut ILC3 by a FFAR2 agonist for the treatment of autoimmune diseases (GUTtoAID), granted by The Science Fund of the Republic of Serbia

Research interests

Neuroimmunology. CNS-immune system-microbiota interaction. Tolerogenic dendritic cells in the treatment of autoimmunity. Physiological and pharmacological modulation of autoimmunity.

Expertise in experimental autoimmune encephalomyelitis, type 1 diabetes and cellular immunology.

Awards and Fellowships

1997-2001	Grant from the Foundation for Studies in Science and Art (Serbian Academy of Science and Art)
2006	Humboldt Research Fellowship for Postdoctoral Researchers (Alexander von Humboldt Foundation, Bonn, Germany)
2008	Return Fellowship and Equipment donation (Alexander von Humboldt Foundation)
2014	Mentor of a PhD thesis entitled: “The role of nitric oxide in CXCL12 regulation in experimental autoimmune encephalomyelitis” that was granted “Ivan Djaja” award for the best PhD work in the field of physiology in Serbia
2014	Award of the Serbian Immunological Society for outstanding work in the field
2015	Plenary lecturer at the FEBS3+ Meeting “Molecules of Life”, Portoroz, Slovenia
2021	Eastern Star Award, EFIS

Publications

121 peer-reviewed papers in international peer-reviewed multi-disciplinary scientific journals, so far. 1st author in 21 publications, the last author in 24, and the corresponding author in additional 13 publications. Citations (excluding self citation) – 3247, h index – 29, i10-index – 84. Total IF 459.09, average IF 3.83.

Additional information (other activities)

A guest editor of the Frontiers in Immunology and for the Immunology Letters. A reviewer for the following journals: ACS Omega, Acta Pharmacologica Sinica, Brain Research, Neuroscience Letters, Journal of Neuroscience Research, Clinical and Experimental Immunology, Cytokine, British Journal of Pharmacology, Bioinorganic Chemistry and Applications, Nitric Oxide, Journal of Neurochemistry, Frontiers in Immunology, Experimental Gerontology, Journal of Neuroinflammation, Autoimmunity, Cellular Physiology and Biochemistry, Journal of Inorganic Biochemistry, Immunology Letters, Journal of Immunology Research, and for international grant proposals for the Broad Medical Research Program, Inflammatory Bowel Disease Grants, The Eli and Edythe L. Broad Foundation, Los Angeles, California, USA, for Wetenschappelijk Fonds Willy Gepts, UZ Brussel, Belgium, for National Science Centre Poland, for Complutense University of Madrid, Spain, and for Swiss National Science Foundation.

Vice president of the Serbian Immunological Society, a member of the Serbian Biochemical Society, the Serbian Neuroscience Society, the Serbian Molecular Biology Society, the Serbian Humboldt Club, the International Society of Neuroimmunology and the American Association of Immunologists. Member of the Board of the European School of Neuroimmunology.

A lecturer at the doctoral studies at the Faculty of Biology and the Faculty of Medicine, University of Belgrade (molecular immunology, autoimmunity, neuroimmunology, immunology and evolution, neuroscience).

Was a member of the Scientific Committee for Biology organized by the Serbian Ministry of Science and Education.

An organizer of the institutional seminar at the Institute for Biological Research "Siniša Stanković".

Đorđe Miljković

List of Publications

1. Stegnjaić G, Tsiailanis AD, Lazarević M, Gkalpinos VK, Djedovic N, Antoniou T, Stanisavljević S, Dimitrijević M, Momčilović M, Miljković Đ, Tzakos AG, Jevtić B. Phenethyl Ester of Gallic Acid Ameliorates Experimental Autoimmune Encephalomyelitis. *Molecules*. 2022 Dec 10;27(24):8770. doi: 10.3390/molecules27248770. PMID: 36557903; PMCID: PMC9782083.
2. Stegnjaić G, Lazarević M, Diamantis DA, Djedović N, Jevtić B, Stanisavljević S, Dimitrijević M, Momčilović M, Tzakos AG, Miljković Đ. Phenethyl ester of rosmarinic acid ameliorates experimental autoimmune encephalomyelitis. *Immunol Lett*. 2022 Sep 29;251-252:9-19. doi: 10.1016/j.imlet.2022.09.006. Epub ahead of print. PMID: 36183900.
3. Koprivica I, Djedovic N, Stojanović I, **Miljković Đ**. Ethyl pyruvate, a versatile protector in inflammation and autoimmunity. *Inflamm Res*. 2022 Feb;71(2):169-182. doi: 10.1007/s00011-021-01529-z. Epub 2022 Jan 9. PMID: 34999919; PMCID: PMC8742706.
4. Stojanović I, Saksida T, **Miljković Đ**, Pejnović N. Modulation of Intestinal ILC3 for the Treatment of Type 1 Diabetes. *Front Immunol*. 2021 Jun 3;12:653560. doi: 10.3389/fimmu.2021.653560. PMID: 34149694; PMCID: PMC8209467.
5. Mansilla MJ, Presas-Rodríguez S, Teniente-Serra A, González-Larreategui I, Quirant-Sánchez B, Fondelli F, Djedovic N, Iwaszkiewicz-Grześ D, Chwojnicki K, **Miljković Đ**, Trzonkowski P, Ramo-Tello C, Martínez-Cáceres EM. Paving the way towards an effective treatment for multiple sclerosis: advances in cell therapy. *Cell Mol Immunol*. 2021 May 6. doi: 10.1038/s41423-020-00618-z.
6. Gajić D, Despotović S, Koprivica I, **Miljković Đ**, Saksida T. Ethyl Pyruvate Ameliorates Experimental Autoimmune Myocarditis. *Biomolecules*. 2021 Nov 25;11(12):1768. doi: 10.3390/biom11121768.
7. **Miljković Đ**, Stanisavljević S, Jensen IJ, Griffith TS, Badovinac VP. Sepsis and multiple sclerosis: Causative links and outcomes. *Immunol Lett*. 2021 Oct;238:40-46. doi: 10.1016/j.imlet.2021.07.008.
8. **Miljković Đ**, Jevtić B, Stojanović I, Dimitrijević M. ILC3, a Central Innate Immune Component of the Gut-Brain Axis in Multiple Sclerosis. *Front Immunol*. 2021 Apr 12;12:657622. doi: 10.3389/fimmu.2021.657622.
9. Lazarević M, Djedovic N, Stanisavljević S, Dimitrijević M, Stegnjaić G, Krishnamoorthy G, Mostarica Stojković M, **Miljković Đ**, Jevtić B. Complete Freund's adjuvant-free experimental autoimmune encephalomyelitis in Dark Agouti rats is a valuable tool for multiple sclerosis studies. *J Neuroimmunol*. 2021 May 15;354:577547. doi: 10.1016/j.jneuroim.2021.577547. Epub 2021 Mar 16. PMID: 33765502.

10. Djedovic N, Božić I, **Miljković Đ**, Lavrnja I. Benfotiamine reduces dendritic cell inflammatory potency. *Endocr Metab Immune Disord Drug Targets*. 2020 Sep 5. doi: 10.2174/1871530320999200905114135. Epub ahead of print. PMID: 32888286.
11. Bijelić DD, Milićević KD, Lazarević MN, **Miljković DM**, Bogdanović Pristov JJ, Savić DZ, Petković BB, Andjus PR, Momčilović MB, Nikolić LM. Central nervous system-infiltrated immune cells induce calcium increase in astrocytes via astroglial purinergic signaling. *J Neurosci Res*. 2020 Aug 16. doi: 10.1002/jnr.24699.
12. Lazarević M, Battaglia G, Jevtić B, Đedović N, Bruno V, Cavalli E, **Miljković Đ**, Nicoletti F, Momčilović M, Fagone P. Upregulation of Tolerogenic Pathways by the Hydrogen Sulfide Donor GYY4137 and Impaired Expression of H₂S-Producing Enzymes in Multiple Sclerosis. *Antioxidants (Basel)*. 2020 Jul 10;9(7):E608. doi: 10.3390/antiox9070608.
13. Saksida T, Jevtic B, Djedovic N, **Miljković Đ**, Stojanovic I. Redox regulation of tolerogenic dendritic cells and regulatory T cells in the pathogenesis and therapy of autoimmunity. *Antioxid Redox Signal*. 2020 May 27. doi: 10.1089/ars.2019.7999.
14. Sokovic Bajic S, Mihajlovic S, Radojevic D, Popovic D, Djokic J, Stanisavljevic S, Lazarevic M, **Miljkovic Dj**, RuasMadiedo P, Golic N, Tolinacki M, Characterization of pH resistance and the proteolytic activity of GABA producing *Lactobacillus brevis* BGZLS10-17 in preparation of fermented milk beverage and the effects on the symptoms of the experimental autoimmune encephalomyelitis. *J Serb Chem Soc*. 2019; 84:1-14 hem. doi:10.2298/JSC190716094S.
15. Stošić-Grujičić S, Saksida T, **Miljković Đ**, Stojanović I. MIF and insulin: Lifetime companions from common genesis to common pathogenesis. *Cytokine*. 2019 Aug 7;125:154792. doi: 10.1016/j.cyto.2019.154792.
16. Djedovic N, Mansilla MJ, Jevtić B, Navarro-Barriuso J, Saksida T, Martínez-Cáceres EM, **Miljković Đ**. Ethyl Pyruvate Induces Tolerogenic Dendritic Cells. *Front Immunol*. 2019 Feb 7;10:157. doi: 10.3389/fimmu.2019.00157.
17. Djedovic N, Jevtić B, Mansilla MJ, Petković F, Blaževski J, Timotijević G, Navarro-Barriuso J, Martinez-Caceres E, Mostarica Stojković M, **Miljković Đ**. Comparison of dendritic cells obtained from autoimmunity-prone and resistant rats. *Immunobiology*. 2019 Feb 8. pii: S0171-2985(18)30220-1. doi: 10.1016/j.imbio.2019.01.001.
18. Stanisavljević S, Čepić A, Bojić S, Veljović K, Mihajlović S, Đedović N, Jevtić B, Momčilović M, Lazarević M, Mostarica Stojković M, **Miljković Đ**, Golić N. Oral neonatal antibiotic treatment perturbs gut microbiota and aggravates central nervous system autoimmunity in Dark Agouti rats. *Sci Rep*. 2019 Jan 29;9(1):918. doi: 10.1038/s41598-018-37505-7.
19. Lazarević M, Mazzon E, Momčilović M, Basile MS, Colletti G, Petralia MC, Bramanti P, Nicoletti F, **Miljković Đ**. The H₂S Donor GYY4137 Stimulates Reactive Oxygen Species Generation in BV2 Cells While Suppressing the Secretion of TNF and Nitric Oxide. *Molecules*. 2018 Nov 14;23(11). pii: E2966. doi: 10.3390/molecules23112966.

20. Stanisavljevic S, Dinic M, Jevtic B, Đedovic N, Momcilovic M, Đokic J, Golic N, Mostarica Stojkovic M, **Miljkovic D**. Gut microbiota confers resistance of Albino Oxford rats to the induction of experimental autoimmune encephalomyelitis. *Front. Immunol.* 2018; 9:942. doi: 10.3389/fimmu.2018.00942
21. Fuchs A, Gliwiński M, Grageda N, Spiering R, Abbas AK, Appel S, Bacchetta R, Battaglia M, Berglund D, Blazar B, Bluestone JA, Bornhäuser M, Ten Brinke A, Brusko TM, Cools N, Cuturi MC, Geissler E, Giannoukakis N, Golab K, Hafler DA, van Ham SM, Hester J, Hippen K, Di Ianni M, Ilic N, Isaacs J, Issa F, Iwaszkiewicz-Grześ D, Jaeckel E, Joosten I, Klatzmann D, Koenen H, van Kooten C, Korsgren O, Kretschmer K, Levings M, Marek-Trzonkowska NM, Martinez-Llordella M, **Miljkovic D**, Mills KHG, Miranda JP, Piccirillo CA, Putnam AL, Ritter T, Roncarolo MG, Sakaguchi S, Sánchez-Ramón S, Sawitzki B, Sofronic-Milosavljevic L, Sykes M, Tang Q, Vives-Pi M, Waldmann H, Witkowski P, Wood KJ, Gregori S, Hilkens CMU, Lombardi G, Lord P, Martinez-Caceres EM, Trzonkowski P. Minimum Information about T Regulatory Cells: A Step toward Reproducibility and Standardization. *Front Immunol.* 2018 Jan 15;8:1844. doi: 10.3389/fimmu.2017.01844
22. Jevtic B, Djedovic N, Stanisavljevic S, Gasic U, Misic D, Despotovic J, Samardzic J, **Miljkovic D**, Timotijevic G. Anti-encephalitogenic effects of cucumber leaf extract. *J Funct Food.* 2017 Oct; 37:249-262. doi: 10.1016/j.jff.2017.07.060.
23. Stanisavljević S, Đedović N, Vujičić M, Saksida T, Jevtić B, Milovanović B, Momčilović M, **Miljković D**, Stojanović I. Strain-specific helper T cell profile in the gut-associated lymphoid tissue. *Immunol Lett.* 2017 Oct;190:282-288. doi: 10.1016/j.imlet.2017.08.017.
24. Djedović N, Stanisavljevic S, Jevtić B, Momčilović M, Lavrnja I, **Miljković D**. Anti-encephalitogenic effects of ethyl pyruvate are reflected in the central nervous system and the gut. *Biomed Pharmacother.* 2017 Sep 28;96:78-85. doi: 10.1016/j.biopha.2017.09.110.
25. Stojanovic I, Savikin K, Dedovic N, Zivkovic J, Saksida T, Momcilovic M, Koprivica I, Vujicic M, Stanisavljevic S, **Miljkovic D**, Menkovic N. Pomegranate peel extract ameliorates autoimmunity in animal models of multiple sclerosis and type 1 diabetes. *J Funct Food.* 2017 Avg; 35: 522-530. doi: 10.1016/j.jff.2017.06.021.
26. Stojanović I, Dimitrijević M, Vives-Pi M, Mansilla MJ, Pujol-Autonell I, Rodríguez-Fernandez S, Palová-Jelínková L, Funda DP, Gruden-Movsesijan A, Sofronic-Milosavljević L, Hilkens CM, Caceres EM, **Miljković D**. Cell-based tolerogenic therapy, experience from animal models of multiple sclerosis, type 1 diabetes and rheumatoid arthritis. *Curr Pharm Des.* 2017;23(18):2623-2643. doi: 10.2174/1381612823666170214120708.
27. Momčilović M, Stamenković V, Jovanović M, Andjus PR, Jakovčevski I, Schachner M, **Miljković D**. Tenascin-C deficiency protects mice from experimental autoimmune encephalomyelitis. *J Neuroimmunol.* 2017 Jan 15;302:1-6. doi: 10.1016/j.jneuroim.2016.12.001.
28. Stanisavljević S, Lukić J, Soković S, Mihajlovic S, Mostarica Stojković M, **Miljković D**, Golić N. Correlation of Gut Microbiota Composition with Resistance to Experimental Autoimmune

Encephalomyelitis in Rats. *Front Microbiol.* 2016 Dec 15;7:2005. doi: 10.3389/fmicb.2016.02005.

29. Jevtić B, Djedović N, Stanisavljević S, Despotović J, **Miljković D**, Timotijević G. Cucurbitacin E Potently Modulates the Activity of Encephalitogenic Cells. *J Agric Food Chem.* 2016 Jun 22;64(24):4900-7. doi: 10.1021/acs.jafc.6b00951. Epub 2016 Jun 8.
30. Stanisavljević S, Lukić J, Momčilović M, Miljković M, Jevtić B, Kojić M, Golić N, Mostarica Stojković M, **Miljković D**. Gut-associated lymphoid tissue, gut microbes and susceptibility to experimental autoimmune encephalomyelitis. *Benef Microbes.* 2016 Jun;7(3):363-73. doi: 10.3920/BM2015.0159.
31. Trifunović D, Djedović N, Lavrnja I, Wendrich KS, Paquet-Durand F, **Miljković D**. Cell death of spinal cord ED1(+) cells in a rat model of multiple sclerosis. *PeerJ.* 2015 Aug 13;3:e1189. doi: 10.7717/peerj.1189. eCollection 2015.
32. Jevtić B, Timotijević G, Stanisavljević S, Momčilović M, Mostarica Stojković M, **Miljković D**. Micro RNA-155 participates in re-activation of encephalitogenic T cells. *Biomed Pharmacother.* 2015 Aug;74:206-10. doi: 10.1016/j.biopha.2015.08.011. Epub 2015 Aug 15.
33. Maksimovic-Ivanic D, Mojic M, Bulatovic M, Radojkovic M, Kuzmanovic M, Ristic S, Stosic-Grujicic S, **Miljkovic D**, Cavalli E, Libra M, Fagone P, McCubrey J, Nicoletti F, Mijatovic S. The NO-modified HIV protease inhibitor as a valuable drug for hematological malignancies: Role of p70S6K. *Leuk Res.* 2015 Oct;39(10):1088-95. doi: 10.1016/j.leukres.2015.06.013. Epub 2015 Jun 28.
34. Stanisavljević S, Jevtić B, Djedović N, **Miljković D**. Short term exposure to ethyl pyruvate has long term anti-inflammatory effects on microglial cells. *Biomed Pharmacother.* 2015 May;72:11-6. doi: 10.1016/j.biopha.2015.03.006. Epub 2015 Apr 5.
35. **Miljkovic D**, Blaževski J, Petkovic F, Djedovic N, Momcilovic M, Stanisavljevic S, Jevtic B, Mostarica Stojkovic M, Spasojevic I. A comparative analysis of multiple sclerosis-relevant anti-inflammatory properties of ethyl pyruvate and dimethyl fumarate. *J Immunology* 2015; 2015 Mar 15;194(6):2493-503. Epub 2015 Feb 13.
36. Petković P, Živanović J, Blaževski J, Timotijević G, Momčilović M, Stanojević Z, Stamenković V, Milošević V, Mostarica Stojković M, **Miljković D**. Activity, but not mRNA expression of gelatinases correlates with susceptibility to experimental autoimmune encephalomyelitis. *Neurosci* 2015; Feb 18;292:1-12. Epub 2015 Feb 18.
37. Blaževski J, Petkovic F, Momcilovic M, Jevtic B, Mostarica Stojkovic M, **Miljkovic D**. Tumor necrosis factor stimulates expression of CXCL12 in astrocytes *Immunobiology.* 2015 Jul;220(7):845-50. doi: 10.1016/j.imbio.2015.01.007. Epub 2015 Jan 22.
38. Momcilovic M, Mangano K, Jevtic B, Mammana S, Stošic-Grujicic S, Nicoletti F, **Miljkovic D**. Saquinavir-NO inhibits IL-6 production in macrophages. *Basic Clin Pharmacol Toxicol.* 2014 Dec;115(6):499-506. Epub 2014 Jun 18.

39. Djordjevic V, Timotijevic G, Pruner I, Radojkovic D, Milovanovic B, **Miljkovic D**. The frequency of allele CCR5Δ32 in a Serbian population. *J Med Biochem*. 2013; 32: 368–374.
40. Ludwig G, Mijatović S, Randelović I, Bulatović M, **Miljković D**, Maksimović-Ivanić D, Korb M, Lang H, Steinborn D, Kaluđerović GN. Biological activity of neutral and cationic iridium(III) complexes with κ P and κ P, κ S coordinated Ph₂PCH₂S(O)_xPh (x = 0-2) ligands. *Eur J Med Chem*. 2013 Nov;69:216-22. doi: 10.1016/j.ejmech.2013.08.025. Epub 2013 Aug 29.
41. Saksida T, **Miljkovic D**, Timotijevic G, Stojanovic I, Mijatovic S, Fagone P, Mangano K, Mammana S, Farina C, Ascione E, Maiello V, Nicoletti F, Stosic-Grujicic S. Apotransferrin inhibits interleukin-2 expression and protects mice from experimental autoimmune encephalomyelitis. *J Neuroimmunol*. 2013 Sep 15;262(1-2):72-8. doi: 10.1016/j.jneuroim.2013.07.001. Epub 2013 Jul 24.
42. El-Muzghi AA, Mirkov I, Djokic J, Popov Aleksandrov A, **Miljkovic D**, Glamoclija J, Kataranovski D, Kataranovski M. Regional cytokine responses to pulmonary aspergillosis in immunocompetent rats. *Immunobiology*. 2013 Dec;218(12):1514-23. doi: 10.1016/j.imbio.2013.05.007. Epub 2013 Jun 7.
43. Petković F, Blaževski J, Momčilović M, Mostarica Stojkovic M, **Miljković D**. Nitric oxide inhibits CXCL12 expression in neuroinflammation. *Immunol Cell Biol*. 2013 Jul;91(6):427-34. doi: 10.1038/icb.2013.23. Epub 2013 Jun 4.
44. Blaževski J, Petković F, Momčilović M, Jevtic B, **Miljković D**, Mostarica Stojković M. High interleukin-10 expression within the central nervous system may be important for initiation of recovery of Dark Agouti rats from experimental autoimmune encephalomyelitis. *Immunobiology*. 2013 Sep;218(9):1192-9. doi: 10.1016/j.imbio.2013.04.004. Epub 2013 Apr 12.
45. Timotijević G, Petković F, Blaževski J, Momčilović M, Mostarica Stojković M, **Miljković D**. CXCL12- γ expression is inhibited in neuroinflammation. *Brain Res*. 2013 Jun 26;1519:120-6. doi: 10.1016/j.brainres.2013.04.056. Epub 2013 May 4.
46. Petković F, Blaževski J, Momčilović M, Timotijević G, Zocca MB, Mijatović S, Maksimović-Ivanić D, Mangano K, Fagone P, Stošić-Grujičić S, Nicoletti F, **Miljković D**. Saquinavir-NO inhibits S6 kinase activity, impairs secretion of the encephalytogenic cytokines interleukin-17 and interferon-gamma and ameliorates experimental autoimmune encephalomyelitis. *J Neuroimmunol*. 2013 Jun 15;259(1-2):55-65. doi: 10.1016/j.jneuroim.2013.03.010. Epub 2013 Apr 18.
47. **Miljković D**, Spasojević I. Multiple Sclerosis: Molecular Mechanisms and Therapeutic Opportunities. *Antioxid Redox Signal*. 2013 Dec 20;19(18):2286-334. doi: 10.1089/ars.2012.5068. Epub 2013 Apr 22. Review.
48. Blaževski J, Petković F, Momčilović M, Paschke R, Kaluđerović GN, Mostarica Stojković M, **Miljković D**. Betulinic acid regulates generation of neuroinflammatory mediators

responsible for tissue destruction in multiple sclerosis in vitro. *Acta Pharmacol Sin.* 2013 Mar;34(3):424-31. doi: 10.1038/aps.2012.181. Epub 2013 Feb 4.

49. Banković J, Andrä J, Todorović N, Podolski-Renić A, Milošević Z, **Miljković D**, Krause J, Ruždijić S, Tanić N, Pešić M. The elimination of P-glycoprotein over-expressing cancer cells by antimicrobial cationic peptide NK-2: the unique way of multi-drug resistance modulation. *Exp Cell Res.* 2013 Apr 15;319(7):1013-27. doi: 10.1016/j.yexcr.2012.12.017. Epub 2013 Jan 5.
50. Jakovcevski I, **Miljković D**, Schachner M, Andjus PR. Tenascins and inflammation in disorders of the nervous system. *Amino Acids.* 2013 Apr;44(4):1115-27. doi: 10.1007/s00726-012-1446-0. Epub 2012 Dec 27. Review.
51. Maksimović-Ivanić D, Mijatović S, Mirkov I, Stošić-Grujičić S, **Miljković D**, Sabo TJ, Trajković V, Kaluđerović GN. Melanoma tumor inhibition by tetrachlorido(O,O'-dibutyl-ethylenediamine-N,N'-di-3-propionate)platinum(IV) complex: in vitro and in vivo investigations. *Metallomics.* 2012 Nov;4(11):1155-9. doi: 10.1039/c2mt20150j. Epub 2012 Sep 27.
52. Kaluđerović GN, Mijatović SA, Zmejkovski BB, Bulatović MZ, Gómez-Ruiz S, Mojić MK, Steinborn D, **Miljković DM**, Schmidt H, Stošić-Grujičić SD, Sabo TJ, Maksimović-Ivanić DD. Platinum(II/IV) complexes containing ethylenediamine-N,N'-di-2/3-propionate ester ligands induced caspase-dependent apoptosis in cisplatin-resistant colon cancer cells. *Metallomics.* 2012 Aug 24;4(9):979-87. doi: 10.1039/c2mt20058a.
53. Mojić M, Mijatović S, Maksimović-Ivanić D, **Miljković D**, Stosić-Grujić S, Stanković M, Mangano K, Travali S, Donia M, Fagone P, Zocca MB, Al-Abed Y, McCubrey JA, Nicoletti F. Therapeutic potential of nitric oxide-modified drugs in colon cancer cells. *Mol Pharmacol.* 2012 Oct;82(4):700-10. Epub 2012 Jul 13.
54. Radović J, Maksimović-Ivanić D, Timotijević G, Popadić S, Ramić Z, Trajković V, **Miljković D**, Stosić-Grujić S, Mijatović S. Cell-type dependent response of melanoma cells to aloe emodin. *Food Chem Toxicol.* 2012 Sep;50(9):3181-9. doi: 10.1016/j.fct.2012.05.047. Epub 2012 Jun 7.
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