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| <b>Име и презиме</b>  |                       | <b>Невена М. Арсеновић Ранин</b>             |   |      |
| <b>Звање</b>  |                       | Редовни професор                             |   |      |
| <b>Назив институције у којој наставник ради</b>   |                       | Универзитет у Београду-Фармацеутски факултет |   |      |
| <b>Ужа научна област</b>  |                       | Микробиологија и Имунологија са имунохемијом |   |      |
| <b>Ужа научна област – Универзитет „Бијељина“</b>   |                       | Имунологија; Клиничка микробиологија         |   |      |
| <b>АКАДЕМСКА КАРИЈЕРА</b>   |                       |  |   |      |
|   | <b>Година</b>         | <b>Институција</b>                           | <b>Област</b>                           |      |
| <b>Избор у звање</b>  | 2013                  | Универзитет у Београду-Фармацеутски факултет | Основна медицина/Клиничка медицина      |      |
| <b>Докторат</b>   | 2001                  | Универзитет у Београду-Фармацеутски факултет | Имунохемија                             |      |
| <b>Специјализација</b>  | 2015                  | Универзитет у Београду-Фармацеутски факултет | Биолошки лекови                         |      |
| <b>Магистратура</b>   | 1992                  | Универзитет у Београду-Фармацеутски факултет | Имунохемија                             |      |
| <b>Диплома</b>  | 1998                  | Универзитет у Београду-Фармацеутски факултет | Фармација                               |      |
| <b>Списак предмета које наставник предаје на Универзитету „Бијељина“ у текућој години</b>   |                       |  |   |      |
|   | <b>Назив предмета</b> |  | <b>Назив студијског програма</b>        |      |
| 1   | Имунологија           |  | Интегрисане академске студије фармације |      |
| 2   | Микробиологија        |  | Интегрисане академске студије фармације |      |
| <b>НАУЧНЕ ПУБЛИКАЦИЈЕ</b>   |                       |  | <b>Година објаве</b>                    |      |
|   |                       |  | <b>Категорија</b>                       |      |
| Dimitrijević M, <b>Arsenović-Ranin N</b> , Kosec D, Bufan B, Nacka-Aleksić M, Pilipović I, Leposavić G. Sex differences in Tfh cell help to B cells contribute to sexual dimorphism in severity of rat collagen-induced arthritis. Sci Rep. 2020 Jan 27;10(1):1214. doi: 10.1038/s41598-020-58127-y.  |                       |  | 2020                                    | M21  |
| Bufan B, <b>Arsenović-Ranin N</b> , Petrović R, Živković I, Stoilković V, Leposavić G. Strain specificities in influence of ageing on germinal centre reaction to inactivated influenza virus antigens in mice: Sex-based differences. Exp Gerontol. 2020 May;133:110857. doi: 10.1016/j.exger.2020.110857. Epub 2020 Feb 6                                   |                       |  | 2020                                    | M22  |
| Dimitrijević M, <b>Arsenović-Ranin N</b> , Kosec D, Bufan B, Nacka-Aleksić M, Pilipović I, Leposavić G. Sexual dimorphism in Th17/Treg axis in lymph nodes draining inflamed joints in rats with collagen-induced arthritis. Brain Behav Immun. 2019 Feb;76:198-214. doi: 10.1016/j.bbi.2018.11.311. Epub 2018 Nov 23.  |                       |  | 2019                                    | M21a |
| <b>Arsenović-Ranin N</b> , Petrović R, Živković I, <b>Bufan B</b> , Stoilković V, Leposavić G. Influence of aging on germinal centre reaction and antibody response to inactivated influenza virus antigens in mice: sex-based differences. Biogerontology 2019 Aug;20(4):475-96. doi: 10.1007/s10522-019-09811-8. Epub 2019 May 2.                           |                       |  | 2019                                    | M21  |
| Vujnović I, Pilipović I, Jasnić N, Petrović R, Blagojević V, <b>Arsenović-Ranin N</b> , Stojić-Vukanić Z, Djordjević J, Leposavić G. Noradrenaline through $\beta$ -adrenoceptor contributes to sexual dimorphism in primary CD4+ T-cell response in DA rat EAE model? Cell Immunol. 2019 Feb;336:48-57. doi: 10.1016/j.cellimm.2018.12.009. Epub 2018 Dec 26 |                       |  | 2019                                    | M22  |
| Petrović R, Bufan B, <b>Arsenović-Ranin N</b> , Živković I, Minić R, Radojević K, Leposavić G. Mouse strain and sex as determinants of immune response to trivalent influenza vaccine. Life Sci. 2018 Aug 15;207:117-126. doi: 10.1016/j.lfs.2018.05.056. Epub 2018 May 31. PMID: 29859986.   |                       |  | 2018                                    | M21  |

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| Dimitrijević M, <b>Arsenović-Ranin N</b> , Bufan B, Nacka-Aleksić M, Macanović ML, Milovanović P, Đurić M, Sopta J, Leposavić G. Collagen-induced arthritis in Dark Agouti rats as a model for study of immunological sexual dimorphisms in the human disease. <i>Exp Mol Pathol</i> . 2018 Aug;105(1):10-22. doi: 10.1016/j.yexmp.2018.05.007. Epub 2018 May 21. PMID: 29792851.                                | 2018 | M22 |
| Živković I, Petrović R, <b>Arsenović-Ranin N</b> , Petrušić V, Minić R, Bufan B, Popović O, Leposavić G. Sex bias in mouse humoral immune response to influenza vaccine depends on the vaccine type. <i>Biologicals</i> . 2018 Mar;52:18-24. doi: 10.1016/j.biologicals.2018.01.007. Epub 2018 Feb 14. PMID: 29426673.   | 2018 | M22 |
| Stojić-Vukanić Z, Pilipović I, Djikić J, Vujnović I, Nacka-Aleksić M, Bufan B, <b>Arsenović-Ranin N</b> , Kosec D, Leposavić G. Strain specificities in age-related changes in mechanisms promoting and controlling rat spinal cord damage in experimental autoimmune encephalomyelitis. <i>Exp Gerontol</i> . 2018 Jan;101:37-53. doi: 10.1016/j.exger.2017.11.002. Epub 2017 Nov 8. PMID: 29128575.            | 2018 | M21 |
| Čuruvija I, Stanojević S, <b>Arsenović-Ranin N</b> , Blagojević V, Dimitrijević M, Vidić-Danković B, Vujić V. Sex Differences in Macrophage Functions in Middle-Aged Rats: Relevance of Estradiol Level and Macrophage Estrogen Receptor Expression. <i>Inflammation</i> 2017 Jun;40(3):1087-101.  | 2017 | M22 |
| <b>Arsenović-Ranin N</b> , Kosec D, Pilipović I, Nacka-Aleksić M, Bufan B, Stojić-Vukanić Z, Leposavić G. Sex and age as determinants of rat T-cell phenotypic characteristics: influence of peripubertal gonadectomy. <i>Mol Cell Biochem</i> . 2017 Jul;431(1-2):169-85.   | 2017 | M23 |
| Dimitrijević M, Stanojević S, Blagojević V, Čuruvija I, Vujnović I, Petrović R, <b>Arsenović-Ranin N</b> , Vujić V, Leposavić G. Aging affects the responsiveness of rat peritoneal macrophages to GM-CSF and IL-4. <i>BioGerontology</i> . 2016 Apr;17(2):359-71. doi: 10.1007/s10522-015-9620-x. Epub 2015 Oct 13.   | 2016 | M21 |
| Stojić-Vukanić Z, Pilipović I, Vujnović I, Nacka-Aleksić M, Petrović R, <b>Arsenović-Ranin N</b> , Dimitrijević M, Leposavić G. GM-CSF-Producing Th Cells in Rats Sensitive and Resistant to Experimental Autoimmune Encephalomyelitis. <i>PLoS One</i> . 2016 Nov 10;11(11):e0166498. doi: 10.1371/journal.pone.0166498. eCollection 2016.  | 2016 | M21 |
| Stojić-Vukanić Z, Bufan B, Pilipović I, Vujnović I, Nacka-Aleksić M, Petrović R, <b>Arsenović-Ranin N</b> , Leposavić G. Estradiol enhances capacity of TLR-matured splenic dendritic cells to polarize CD4+ lymphocytes into IL-17/GM-CSF-producing cells in vitro. <i>Int Immunopharmacol</i> . 2016 Nov;40:244-253. doi: 10.1016/j.intimp.2016.09.001. Epub 2016 Sep 10.                                      | 2016 | M22 |
| Pilipović I, Vujnović I, <b>Arsenović-Ranin N</b> , Dimitrijević M, Kosec D, Stojić-Vukanić Z, Leposavić G. Peripubertal ovariectomy influences thymic adrenergic network plasticity in adult rats. <i>J Neuroimmunol</i> . 2016 Aug 15;297:103-16. doi: 10.1016/j.jneuroim.2016.05.017. Epub 2016 May 24.   | 2016 | M22 |
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| Nacka-Aleksić M, Pilipović I, Stojić-Vukanić Z, Kosec D, Bufan B, Vujnović I, <b>Arsenović-Ranin N</b> , Dimitrijević M, Leposavić G. Sexual dimorphism in the aged rat CD4+ T lymphocyte-mediated immune response elicited by inoculation with spinal cord homogenate. <i>Mech Ageing Dev</i> . 2015 Sep 25;152:15-31. doi: 10.1016/j.mad.2015.09.004. [Epub ahead of print] PMID: 26408399          | 2015 | M21 |
| Živković I, Bufan B, Petrušić V, Minić R, <b>Arsenović-Ranin N</b> , Petrović R, Leposavić G. Sexual diergism in antibody response to whole virus trivalent inactivated influenza vaccine in outbred mice. <i>Vaccine</i> . 2015 Oct 13;33(42):5546-52. doi: 10.1016/j.vaccine.2015.09.006. Epub 2015 Sep 14. PMID: 26382601  | 2015 | M21 |
| Nacka-Aleksić M, Djikić J, Pilipović I, Stojić-Vukanić Z, Kosec D, Bufan B, <b>Arsenović-Ranin N</b> , Dimitrijević M, Leposavić G. Male rats develop more severe experimental autoimmune encephalomyelitis than female rats: Sexual dimorphism and diergism at the spinal cord level. <i>Brain Behav Immun</i> . 2015 Oct;49:101-18. doi: 10.1016/j.bbi.2015.04.017. Epub 2015 May 2. PMID: 25944279 | 2015 | M21 |
| <b>Arsenović-Ranin N</b> , Kosec D, Nacka-Aleksić M, Pilipović I, Stojić-Vukanić Z, Djikić J, Bufan B, Leposavić G. Ovarian hormone level alterations during rat post-reproductive life-span influence CD8 + T-cell homeostasis. <i>Exp Biol Med (Maywood)</i> . 2015 Oct;240(10):1319-32. doi: 10.1177/1535370215570817. Epub 2015 Feb 24. PMID: 25716018  | 2015 | M22 |
| Djikić J, Nacka-Aleksić M, Pilipović I, Kosec D, <b>Arsenović-Ranin N</b> , Stojić-Vukanić Z, Dimitrijević M, Leposavić G. Age-related changes in spleen of Dark Agouti rats immunized for experimental autoimmune encephalomyelitis. <i>J Neuroimmunol</i> . 2015 Jan 15;278:123-35. doi: 10.1016/j.jneuroim.2014.12.014. Epub 2014 Dec 18. PMID: 25595261   | 2014 | M22 |
| Stojić-Vukanić Z, Nacka-Aleksić M, Bufan B, Pilipović I, <b>Arsenović-Ranin N</b> , Djikić J, Kosec D, Leposavić G. 17β-Estradiol influences in vitro response of aged rat splenic conventional dendritic cells to TLR4 and TLR7/8 agonists in an agonist specific manner. <i>Int Immunopharmacol</i> . 2015 Jan;24(1):24-35. doi: 10.1016/j.intimp.2014.11.008. Epub 2014 Nov 20. PMID: 25479725     | 2014 | M22 |
| <b>Arsenović-Ranin N</b> , Kosec D, Pilipović I, Bufan B, Stojić-Vukanić Z, Radojević K, Nacka-Aleksić M, Leposavić G. Androgens contribute to age-associated changes in peripheral T-cell homeostasis acting in a thymus-independent way. <i>Neuroimmunomodulation</i> . 2014;21(4):161-82. doi: 10.1159/000355349. Epub 2014 Feb 6. PMID: 24504059  | 2014 | M23 |
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| <b>Arsenović-Ranin N</b> , Nacka-Aleksić M, Djikić J, Perišić M, Kosec D, Pilipović I, Stojić-Vukanić Z, Leposavić G. Thymocyte apoptosis and proliferation modeling during rat thymic involution is influenced by ovarian hormones in a thymocyte subset-specific manner. <i>ACTA VETERINARIA – BEOGRAD</i> , Volume 63, Issue 1, Pages 3-21. Published: 2013  | 2013 | M23 |
| Pilipović I, Radojević K, Kosec D, Nanut MP, Stojić-Vukanić Z, <b>Arsenović-Ranin N</b> , Leposavić G. Gonadal hormone dependent developmental plasticity of catecholamine:β2-adrenoceptor signaling complex in male rat thymus: putative implications for thymopoiesis. <i>J Neuroimmunol</i> . 2013 Dec 15;265(1-2):20-35. doi: 10.1016/j.jneuroim.2013.09.021. Epub 2013 Oct 6. PMID: 24157129     | 2013 | M22 |
| <b>Arsenović-Ranin N</b> , Perišić M, Bufan B, Stojić-Vukanić Z, Pilipović I, Kosec D, Leposavić G. Ovarian hormone withdrawal in prepubertal developmental stage does not prevent thymic involution in rats. <i>Exp Biol Med (Maywood)</i> . 2013 Jun;238(6):641-57. doi: 10.1177/1535370213489475. PMID: 23918876   | 2013 | M22 |

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| Stojić-Vukanić Z, Bufan B, <b>Arsenović-Ranin N</b> , Kosec D, Pilipović I, Perišić Nanut M, Leposavić G. Aging affects AO rat splenic conventional dendritic cell subset composition, cytokine synthesis and T-helper polarizing capacity. Biogerontology. 2013 Aug;14(4):443-59. doi: 10.1007/s10522-013-9444-5. Epub 2013 Jul 20. PMID: 23873152              | 2013   | M21         |
| Perišić M, Stojić-Vukanić Z, Pilipović I, Kosec D, Nacka-Aleksić M, Dikić J, <b>Arsenović-Ranin N</b> , Leposavić G. Role of ovarian hormones in T-cell homeostasis: from the thymus to the periphery. Immunobiology. 2013 Mar;218(3):353-67. doi: 10.1016/j.imbio.2012.05.009. Epub 2012 May 23. PMID: 22704521   | 2013   | M22         |
| Jančić I, <b>Arsenović-Ranin N</b> , Sefik-Bukilica M, Zivojinović S, Damjanov N, Spasovski V, Srzentić S, Stanković B, Pavlović S. -174G/C interleukin-6 gene promoter polymorphism predicts therapeutic response to etanercept in rheumatoid arthritis. Rheumatol Int. 2013 Jun;33(6):1481-6. doi: 10.1007/s00296-012-2586-y. Epub 2012 Dec 12. PMID: 23233117 | 2013   | M22         |
| Milenković Marina, Arsenović Ranin Nevena. Opšta i specijalna bakteriologija za studente farmacije. Izdavač: Farmaceutski fakultet, Beograd. ISBN: 978-86-6273-011-4, 2013   | 2013   | /           |
| Arsenović Ranin N, Stojić-Vukanić Z, Bufan B. Metode u imunologiji i imunohemiji. Izdavač: Farmaceutski fakultet, Beograd, ISBN: 978-86-6273-004-6, 2012.  | 2012   | /           |
| <b>Збирни подаци научне и стручне активности наставника</b>  |        |             |
| Укупан број радова са SCI (SSCI) листе   | 43     |             |
| Тренутно учешће на пројектима  | Домаћи | Међународни |
|  | 1      | 0           |
| Усавршавања  |        |             |
| Други подаци које сматрате релевантним   |        |             |