

NEVENA ARSENOVIĆ RANIN

Employment Information:

- 2019- Head of Department of Microbiology and Immunology, University of Belgrade - Faculty of Pharmacy
- 2013- Full Professor, University of Belgrade - Faculty of Pharmacy
- 2008-2013 Associate Professor, University of Belgrade - Faculty of Pharmacy
- 2005-2010 Head of Department of Microbiology and Immunology, University of Belgrade - Faculty of Pharmacy
- 2002-2008 Assistant professor, University of Belgrade - Faculty of Pharmacy
- 1993-2002 Teaching Assistant, University of Belgrade - Faculty of Pharmacy
- 1990-1993 Junior Teaching Assistant, University of Belgrade - Faculty of Pharmacy

Education:

- 2015 Specialist of Pharmacy-Biological Medicines, University of Belgrade – Faculty of Pharmacy
- 2001 PhD, University of Belgrade - Faculty of Pharmacy
Dissertation: *"Modulation of thymocyte adhesion using a newly produced 3F10 monoclonal antibody reactive with thymocytes and non-lymphoid cells of the rat thymus"*
- 1992 Mr.sc., University of Belgrade - Faculty of Pharmacy
Master thesis: *"Immunocytochemical properties of the thymic microenvironment in myasthenia gravis"*
- 1988 Graduate pharmacist - University of Belgrade - Faculty of Pharmacy

Academic awards and distinctions:

- 1984-1988 Scholarship of the Republic Foundation for Scholarships of Scientific and Artistic youth of Serbia

Teaching activities:

- Immunology, Immunology with Immunochemistry (Integrated Academic Studies; IAS)

- Director of specialist academic studies (SAS) Biological Medicines, all courses in SAS Biological Medicines
- Immunoregulation and immunomodulation (Doctoral Academic Studies; DAS)
- Mentor of 2 doctoral dissertations, 20 specialist theses on SAS Biological Medicines and more than 50 graduate theses on IAS
- Member in 3 Committees for doctoral theses, 2 master's theses and in numerous Committees for specialist and graduate theses

Textbooks:

Nevena Arsenović-Ranin, Zorica Stojić-Vukanić, Biljana Bufan. Metode u imunologiji i imunohemiji. Izdavač: Univerzitet u Beogradu, Farmaceutski fakultet, Beograd. 2017.

Marina Milenković, Nevena Arsenović-Ranin. Opšta i specijalna bakteriologija. Izdavač: Univerzitet u Beogradu, Farmaceutski fakultet, Beograd 2013.

Activities within the Faculty:

2016-2019	Member of the Committee for monitoring and improving the quality of postgraduate teaching
2013-2019	Member of the Program Council of the Center for Continuing Education
2012-2018	Member of the Committee for Specialist Studies
2012-2015,	Member of the Faculty Council
2004-2007	Member of the Faculty Council

Activities within wider Academic Community:

1990-	Member of the Immunological Society of Serbia (ISoS)
2011-	Member of the Executive Board of ISoS

Projects:

2020-	Research activities funded by Ministry of Education, Science and Technological Development of the Republic of Serbia through Grant Agreements with University of Belgrade-Faculty of Pharmacy
2011-2019	Age-dependent plasticity of the immune system: immunomodulatory potential of estrogens (project number 175050), Ministry of Education, Science and Technological Development, Republic of Serbia.

- 2005-2010 Neuroendocrine modulation of the immune response: the role of the sympatho-adrenomedullary system, Ministry of Education, Science and Technological Development, Republic of Serbia.
- 2004-2005 The role of hormones, neuropeptides and catecholamines in the modulation of lymphocyte maturation and the function of mature cells of the immune system, Ministry of Education, Science and Technological Development, Republic of Serbia.
- 1996-2001 Molecular basis of immune/inflammatory response in autoimmune diseases-mechanisms of regulation and modulation, Ministry of Education, Science and Technological Development, Republic of Serbia.
- 1990-1995 Autoimmunity, Ministry of Education, Science and Technological Development, Republic of Serbia.

Publications:

1. Dimitrijević M, **Arsenović-Ranin N**, Kosec D, Bufan B, Nacka-Aleksić M, Pilipović I, Laposavić 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.
2. Bufan B, **Arsenović-Ranin N**, Petrović R, Živković I, Stoiljković V, Laposavić 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.
3. **Arsenović-Ranin N**, Petrović R, Živković I, Bufan B, Stoiljković V, Laposavić 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.
4. Dimitrijević M, **Arsenović-Ranin N**, Bufan B, Nacka-Aleksić M, Macanović ML, Milovanović P, Đurić M, Sopta J, Laposavić G. Collagen-induced arthritis in Dark Agouti rats as a model for study of immunological sexual dimorphisms in the human disease. *Exp Mol Pathol.* 2018 Aug;105(1):10-22. doi: 10.1016/j.yexmp.2018.05.007.
5. **Arsenović-Ranin N**, Kosec D, Pilipović I, Nacka-Aleksić M, Bufan B, Stojić-Vukanić Z, Laposavić G. Sex and age as determinants of rat T-cell phenotypic characteristics: influence of peripubertal gonadectomy. *Mol Cell Biochem.* 2017 Jul;431(1-2):169-85
6. Jančić I, Šefik-Bukilica M, Živojinović S, Damjanov N, Spasovski V, Kotur N, Klaassen K, Pavlović S, Bufan B, **Arsenović-Ranin N**. Influence of Promoter Polymorphisms of the TNF- α (-308G/A) and IL-6 (-174G/C) Genes on Therapeutic Response to Etanercept in Rheumatoid Arthritis. *J Med Biochem.* 2015 Oct;34(4):414-421. doi: 10.2478/jomb-2014-0060.

7. Nacka-Aleksić M, Djikić J, Pilipović I, Stojić-Vukanić Z, Kosec D, Bufan B, **Arsenović-Ranin N**, Dimitrijević M, Lepasavić G. Male rats develop more severe experimental autoimmune encephalomyelitis than female rats: Sexual dimorphism and diergism at the spinal cord level. *Brain Behav Immun*. 2015 Oct;49: 101-18. doi: 10.1016/j.bbi.2015.04.017.
8. **Arsenović-Ranin N**, Kosec D, Nacka-Aleksić M, Pilipović I, Stojić-Vukanić Z, Djikić J, Bufan B, Lepasavić G. Ovarian hormone level alterations during rat post-reproductive life-span influence CD8 + T-cell homeostasis. *Exp Biol Med* (Maywood). 2015 Oct;240(10):1319-32. doi: 10.1177/1535370215570817
9. **Arsenović-Ranin N**, Kosec D, Pilipović I, Bufan B, Stojić-Vukanić Z, Radojević K, Nacka-Aleksić M, Lepasavić G. Androgens contribute to age-associated changes in peripheral T-cell homeostasis acting in a thymus-independent way. *Neuroimmunomodulation*. 2014;21(4):161-82. doi: 10.1159/000355349.
10. **Arsenović-Ranin N**, Vučević D, Okada N, Dimitrijević M, Čolić M. A monoclonal antibody to the rat Crry/p65 antigen, a complement regulatory membrane protein, stimulates adhesion and proliferation of thymocytes. *Immunology* 2000; 100: 334-344