

Katarina V. MITIC, PhD, Senior Research Associate

PERSONAL DATA

Date of birth: April 21th, 1979
Place of birth: Leskovac, Serbia
Address: Vozdovac, 11000 Belgrade, Serbia
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Nationality: Serbian

EDUCATION

2011 PhD thesis "The modulatory properties of neuropeptide Y (NPY) and related peptides in the inflammatory response in rats"
Experimental part of Doctoral thesis is done at Immunology Research Center "Branislav Janković" (IRC), Institute of Virology, Vaccines and Sera "Torlak", Belgrade

2007-2008 Enrolled PhD studies, Section: Human and Animal Physiology, Faculty of Biology, University of Belgrade

(Due to reform of educational system during 2006 according to Bologna Convention, PhD studies now represent continuation of previous Master studies)

2004-2005 Enrolled postgraduate studies, Section: Immunobiology, Faculty of Biology, University of Belgrade
Experimental part of Master thesis at Immunology Research Center "Branislav Jankovic" (IRC), Institute of Virology, Vaccines and Sera "Torlak", Belgrade

1998-2004 BSc, Molecular biology and physiology, Section: Experimental biomedicine, Faculty of Biology, University of Belgrade
Average grade: 9.14 (rang from 5 to 10)

Graduate thesis:
"Effects of stress and beta-endorphin on inflammatory response in two inbred rat strains", IRC, Institute of Virology, Vaccines and Sera "Torlak", Belgrade;

RESEARCH EXPERIENCE

- 2005-2010 Institute of Virology, Vaccines and Sera "Torlak"
- Participating in project "Neuroendocrine modulation of immune response: the role for symphato-adrenomedular system" (Supported by Ministry of Science, Republic of Serbia, Grant No 145049).
- 2011-2013 Institute of Virology, Vaccines and Sera "Torlak"
- Participating in project "Plasticity of immune system durin ageing: immunomodulatory potential of estrogens" (Supported by Ministry of Science, Republic of Serbia, Grant No 175050).
- 2013-present Faculty of Sciences and Mathematics, University of Nis
- Participating in project "Combinatorial libraries of heterogeneous catalysts, natural products, modified natural products and their analogues: way to biologically active agents" (Supported by Ministry of Education, science and technological development, Republic of Serbia, Grant No 172061)

PROFESSIONAL EXPERIENCE

Hands-on experience in:

Cell culture – Lymphocyte and APC purification from blood, spleen, thymus, peritoneal cavity and lymph nodes

In vivo experiments – work with laboratory animals (mice, rats); induction of experimental autoimmune encephalomyelitis and adjuvant arthritis; induction of paw/peritoneum inflammation; organ harvesting and blood collection by cardial puncture, injections (SC, IP, IM)

In vitro immunological assays; ELISA; Flow cytometry analysis; SDS PAGE; Western blot; MACS separation; Immunocytochemistry; Confocal microscopy;

SKILLS

- Teaching, explaining and simplifying complex subjects
- Work in GLP surroundings
- Preparing of SOPs and working protocols
- Excellent knowledge of Microsoft Office package, as well as OriginPro8 and SPSS 20.0 statistical programs

LANGUAGES

Serbian – mother tongue
English – fluent (high level)
Deutsch– basic level