

CURRICULUM VITAE

Dr Lada Zivkovic

Docent

Ime: Lada Zivković

Datum i mesto rođenja: 19.12.1970. , Beograd

Kućna adresa: Svetozara Markovica 11, 11000 Beograd, Srbija

Bračni status: Udata, ima dvoje dece, Tara (16) i Vidak (7)

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Naziv radne organizacije: Farmaceutski fakultet Univerziteta u Beogradu, Katedra za fiziologiju

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Oblast istraživanja:

Uticaj centromera i centromernih proteina kod obolelih od Alchajmerove bolesti

Genetika starenja

Genotoksikologija

Obrazovanje

- 2010** Doktor bioloških nauka (Genetika),
Bioloških fakultet, Univerzitet u Beogradu
Teza: "Genomomska nestabilnost kod pacijenata obolelih od Alchajmerove bolesti"
- 2004** Magistar bioloških nauka (Genetika),
Biološki fakultet, Univerzitet u Beogradu
Teza: "Citogenetička analiza PCD-a kod pacijenata obolelih od Alchajmerove bolesti"
- 1996** Diplomске studije
Fakultet Molekularna biologija i fiziologija, Univerzitet u Beogradu

Radno iskustvo

- 2011** Docent za nastavnu oblast Biologija sa humanom genetikom,
Farmaceutski fakultet , Univerzitet u Beogradu
- 2005-2011** Asistent za nastavnu oblast Biologija sa humanom genetikom,
Farmaceutski fakultet , Univerzitet u Beogradu

2000-2005

Asistent pripravnik za nastavnu oblast Biologija sa humanom genetikom, Farmaceutski fakultet , Univerzitet u Beogradu

- 1999-2000** Menadžer prodaje Sigma-Aldrich, Beograd, Srbija
- 1997-1998** Saradnik u nastavi, Katedra za genetiku i oplemenjivanje, Poljoprivedni fakultet , Univerzitet u Beogradu
- 1996-1997** Istraživač-volonter, Inстит za biomedicinska istraživanja, Institut Galenika a.d.

Kursevi koje predaje na Farmaceutskom fakultetu, Univerziteta u Beogradu

Biologija sa humanom genetikom
Osnovi molekularne genetike
Osnovi biotehnologije
Genotoksikologija

Publikacije: Broj citata bez autocitata 50

Studijski boravci i kursevi

- 1990** Dvomesetni studijski boravak u Laboratoriji za Kariobiologiju na međunarodnom projektu "In situ hybridization in wheat", John Innes Institute, Norwich, Great Britain, student practice.
- 1995** Dvomesetna stipendija, Training and Work Experience Scheme u Laboratoriji za Genetiku i Oplemenjivanje na međunarodnom projektu „Isolation of cherry DNA with high yield and purity“, Research Institute, Kent, Great Britain, reserch for diploma thesis, HRI fellowship.
- 1997** Četvoronedeljni kurs pod nazivom „Plant Biotechnology and Application“, International Center for Advanced Mediterranean Agronomic Studies (CIHEAM) Chania, Crete, Greece, felowshi.
- 1998** Dvonedeljni kurs pod nazivom „Molecular and Biotechnological Aspect of Sexual Reproduction in Higher Plants“, Martonvásár, Hungary, UNESCO felowship

Članstvo u stručnim organizacijama

Društvo Genetičara Srbije
Društvo za borbu protiv Alchajmerove bolesti
Član Izdavačkog Saveta međunarodnog naučnog časopisa Advance in Alzheimer disease

Nagrade

- 1989** Prvo mesto, Šampionat Jugoslavije u Windsurfing-u, Divizija 2 Žene, Viganj.

Aktelni projekti:

- 2011-2014** Istraživač na projektu „Aberacije ćelijskog ciklusa i uticaj oksidativnog stresa na neurodegenerativne procese i malignu transformaciju ćelije”, Ministarstvo nauke i prosvete Republike Srbije, ev. br. 173034
- 2013-2015** Istraživač na projektu bilateralne saradnje Italije i Srbije „Aberacije ćelijskog ciklusa i uticaj oksidativnog stresa na neurodegenerativne procese i malignu transformaciju ćelije”,

Naučni projekti:

- 2006-2010** Istraživač na projektu „Evaluacija dejstva hormona i citostatika primenom citogenetičkih analiza i Komet testa“, Ministarstvo nauke i zaštite životne sredine, evidencioni broj 143018B
- 2005-2007** Istraživač na projektu bilateralne saradnje Slovenije i Srbije “Uticaj istovremenog dejstva mikrocistina, estrogena i tireoidnih hormona na citogenetičke promene i oštećenja DNK u kulturama humanih limfocita i HepG2 ćelija”
- 2002-2005** Istraživač na projektu “Evaluacija citogenetičkih efekata nekih hormona, citostatika i antibiotika”), Ministarstvo za nauku i zaštitu životne sredine Republike Srbije, evidencioni broj 10-1873

Strani jezik

Engleski Napredni
Francuski Dobar
Ruski Osnovni nivo

Ostale aktivnosti

Windsurf
Kite surf
Skijanje

Publikacije Lada Živković

1. Cabarkapa A, **Zivković L**, Zukovec D, Djelić N, Bajić V, Dekanski D, Spremo-Potporević B. Protective effect of dry olive leaf extract in adrenaline induced DNA damage evaluated using in vitro comet assay with human peripheral leukocytes. *Toxicol In Vitro*. 2014.
2. Milićević Z, Bajić V, **Zivković L**, Kasapović J, Andjelković U, Spremo-Potporević B. Identification of p53 and Its Isoforms in Human Breast Carcinoma Cells. *ScientificWorld Journal*. 2014. 5;2014:618698. doi: 10.1155/2014/618698.

3. **Zivković L**, Spremo-Potparević B, Siedlak SL, Perry G, Plećaš-Solarović B, Milićević Z, Bajić VP. DNA Damage in Alzheimer Disease Lymphocytes and Its Relation to Premature Centromere Division. *Neurodegener Dis.* 2013;12(3):156-63.
4. **Zivkovic Lada P**, Bajic Vladan P, Zukovec Dijana, Cabarkapa Andrea, Spremo-Potparevic Biljana. Alterations of Acrocentric Chromosomes in Peripheral Blood Lymphocytes in Patients with Alzheimer'S Disease (Article) *ARCHIVES OF BIOLOGICAL SCIENCES*, (2013), vol. 65 br. 2, str. 439-445.
5. **Zivkovic Lada P**, Djelic Ninoslav J, Bajic Vladan P, Bogavac-Stanojevic Natasa, Zukovec Dijana, Cabarkapa Andrea, Spremo-Potparevic Biljana. Evaluation of DNA Damage in the Lymphocytes of Young, Elderly and Alzheimer'S Disease Patients Treated with Beta-Estradiol in the Comet Assay . *JOURNAL OF MEDICAL BIOCHEMISTRY*, (2013), vol. 32 br. 3, str. 238-244
6. Bajic Vladan,; Spremo-Potparevic Biljana,; Vesna Mandusic,; Milicevic Zorana; **Lada Zivkovic**. Instability in X chromosome inactivation patterns in AMD: a new risk factor? *Ophthalmol* 2013; Vol. 2, No 3 Medical Hypothesis, Discovery &Innovation Ophthalmology Journal
7. V.P.Bajic, D.J Bonda, **L. Zivkovic**, Z. Milicevic,B.Plecas Solarevic, Xiongwei Zhu and B.Spremo Potparevic. The Role of centromere cohesion and associated proteins in Alzheimer's Disease: A relation to Aneuploidy? In. *Aneuploidy" Etiology, Disorders and Risk Factors*, Editors: Salvatore de Rossi and Filippo Bianchi. Chapter IV, pp 77-90, ISBN:978-1-62100-070-9, 2012 Nova Science Publishers, INC. USA.
8. B. Spremo-Potparević, **L. Živković**, B. Plečas-Solarović and V.P. Bajić. 2011. Chromosome instability in Alzheimer's disease. *Arch. Biol.Ssci., Belgrade*, 63 (3), 603-608..
9. Bajić VP, Su B, Lee HG, Kudo W, Siedlak SL, **Zivković L**, Spremo-Potparević B, Djelic N, Milicevic Z, Singh AK, Fahmy LM, Wang X, Smith MA, Zhu X. 2011. Mislocalization of CDK11/PITSLRE, a regulator of the G2/M phase of the cell cycle, in Alzheimer disease. *Cell Mol Biol Lett.* 16(3):359-72
10. Radakovic M, Djelic N, Stanimirovic Z, Plecas-SB., Spremo-Potparevic B, **Zivkovic L**, Bajic V. 2011. Evaluation of the effects of ephedrine on human lymphocytes in the Comet assay. *Acta Veterinaria.* Vol 61 no 4. pp 363-371.
11. **Lada Živković**, Bosiljka Plećaš, Vladan Bajić, Ninoslav Đelić, Biljana Spremo-Potparević. 2011. Ispitivanje genetičke nestabilnosti leukocita periferne krvi pacijenata sa Alchajmerovom bolešću primenom Komet testa. *Arh. Farm.* vol. 61, br. 1, str. 28-41
12. **L. Zivkovic** , B. S. Potparevic , Bosiljka Plecas-Solarevic, Ninoslav Djelic, Gordana Ocic, Predrag Smiljkovic, Sandra Siedlak, M. A.Smith and Vladan Bajic. 2010. Premature Centromere Division of Metaphase Chromosomes in Peripheral Blood Limphocytes of Alzheimer's Disease Patients: Relation to Gender and Age. *J Geront A Biol Med Sci, J Gerontol A Biol Sci Med Sci.* 65A(12):1269–1274
13. Vladan Bajic, **L. Zivkovic** , B. S. Potparevic , Sandra Siedlak, M. A.Smith. 2010. RAD 21 cohesion protein shows altered levels of expression in Swedish mutant phenotype of M17

neuroblastoma cells. PI-288. *Alzheimer's & Dementia: The Journal of the Alzheimer's Association* Vol. 6, Issue 4, Supplement, Page S257

14. Vladan Bajic, Zoran Stanimirovic, Jevrosima Stevanovic, Zorka Milicevic, **Lada Zivkovic**, Biljana Spremo- Potparevic, 2010. Effect of Paclitaxel alone and in combination with Cycloheximide on the Frequency of Premature Centromere Division *in vitro*. *Arch of Biol Scienc.* 62(1), 63-74
15. Bajic, V., Siedlak, S., **Zivkovic, L.**, Spremo-Potparevic, B., Gemma Casadeus and Smith MA. 2009. The X-chromosome instability phenotype in Alzheimer's disease: A clinical sign of accelerating aging? *Medical Hypothesis*,73(6):917-20
16. Plečaš B, **Živković L**, Potparević B. 2009. Biology and physiology of aging. *Arh.farm* 59:357-372
17. Bajic V, Stanimirovic Z, Stevanovic J, Spremo-Potparevic B, **Zivkovic L**, Milicevic Z. 2009.Cytogenetic effects of 8-Cl-cAMP on human and animal chromosomes. *J BUON.* 14(1):71-77
18. Djelić N., Spremo-Potparević B., **Živković L.** Molecular mechanisms of mutagenic effects of hormones. In *Recent Trends in Toxicology, Research Singpost, Transworld Research Network, Kerala, India, Editor Yasir Hasan Siddique 2008, 1-22. ISBN 978-81-7895-384-7*
19. Bajic V., Spremo-Potparavic B., Milicevic Z., Djelic N. and **Zivkovic L**, 2008. A study on the genotoxic effects of 8-Cl-cAMP on human lymphocytes *in vitro*. *Russian Journal of Genetics*,44,No 5, 1-7
20. Biljana Spremo-Potparević, **Lada Živković**, Ninoslav Djelić and Vladan Bajić, 2008. Premature centromere division (PCD) of the X chromosome of cerebral cortex cells in Alzheimer disease patients. *Journal of Neurochemistry*, 106 (5):2218-23
21. Vladan P. Bajić, Biljana Spremo-Potparević, **Lada Živković**, Ninoslav Djelić, Mark A. Smith, 2008. Is the time dimension of the cell cycle re-entry in AD regulated by centromere cohesion dynamics? *Biosciencel Hypothesis Vol 1, Issue 3. pp:156-161*
22. Djelic N, Spremo-Potparevic B, **Zivkovic L**, Markovic B, Dacic S. 2008. *In vitro* analysis of clastogenic effects of adrenaline on human lymphocytes. *Archives of Biological Sciences* 60(3):15P-16P
23. Bajić V, Djelić N, Spremo-Potparević B, **Zivković L**, Milićević Z. 2008 A study on the genotoxic effects of 8-Cl-cAMP on human lymphocytes *in vitro*. *Genetika* 44(5):546-552
24. Djelic N, Djelic D, Spremo-Potparevic B, **Zivkovic L**, Markovic B, Lozance O, Blagojevic M. 2007 Lack of clastogenic effects of L-thyroxine in whole-blood cultured human lymphocytes. *Genetics and Molecular Biology*, 30(4):1144 -1149
25. Bajic V., Spremo-Potparavic B., Milicevic Z. and **Zivkovic L**. 2007. Deregulated sequential motion of centromeres induced by antitumor agnets may lead to genome instability in human peripheral blood lymphocytes. *Journal of BUON* 12: 77-83
26. Spremo-Potparević B., **Živković L.**, Drakulić D., Bajić V., Djelić N. Premature centromere division (PCD) of the X chromosome as a bio-marker of the brain cells re-entry into the cell division cycle in Alzheimer's disease. In *Frontiers in Alzheimer's Disease Research*,

Nova Science Publishers, Inc., New York, USA, Editor E.M.Welsh 2006, 163-177. ISSN 1-59454-929-X3.

27. **L. Zivkovic**, B. Spremo-Potparevic, N. Djelic and V.Bajic, 2006: Analysis of premature centromere division (PCD) of the chromosome 18 in peripheral blood lymphocytes of Alzheimer's disease patients. *Mechanism of Ageing and Development*, 127:892-896
28. Djelic N, Spremo-Potparevic B, Markovic B, **Zivkovic L**, Djelic D. 2006. Cell cycle kinetics and cytogenetic changes in human lymphocytes exposed to estradiol *in vitro*. *Acta Veterinaria* 56 (1):37-48
29. Spremo-Potparevic B, **Zivkovic L**, Djelic N and Bajic V., 2004. Analysis of premature centromere division (PCD) of the X chromosome in Alzheimer patients through the cell cycle. *Journal of Exper. Gerontology* 39 : 849-854
30. Djelic N, Djelic D, Spremo-Potparevic B, Markovic B, **Zivkovic L**. 2003. Cytogenetic analysis of the effects of epinephrine on cultured human lymphocytes. *Acta Veterinaria* 53(2-3):113-120