

CV – Marija Lj Medar
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Obrazovanje:

- 2014 – Doktorske studije biologije (PMF UNS; <http://www.pmf.uns.ac.rs>)
- 2013 – 2014 Master akademske studije biologije (modul molekularna biologija) (PMF UNS; <http://www.pmf.uns.ac.rs>) Prosečna ocena: 9.81/10
- 2009 – 2013 Osnovne akademske studije biologije (modul molekularna biologija) (PMF UNS; <http://www.pmf.uns.ac.rs>) Prosečna ocena: 9.46/10

Karijera:

- Februar 2017 - Asistent (PMF UNS; <http://www.pmf.uns.ac.rs>)
- Decembar 2014 - Februar 2017 Istraživač-pripravnik (PMF UNS; <http://www.pmf.uns.ac.rs>)

Učešće na projektima:

- 2016 – 2019 APV2551 “Da li su reproduktivni hormoni i njihova signalizacija molekularni mehanizmi koji povezuju stres, metabolički sindrom i starenje?”. Finansiran od strane Pokrajinskog sekretarijata za nauku i tehnološki razvoj Autonomne Pokrajne Vojvodine (rukovodilac: prof. dr Silvana Andrić).
- 2016 - 2018 APV3822 “Usporavanje razvoja hipogonadizma u starenju: efekat cGMP-zavisnih mehanizama“. Finansiran od strane Pokrajinskog sekretarijata za nauku i tehnološki razvoj Autonomne Pokrajne Vojvodine (rukovodilac: prof. dr Tatjana Kostić).
- 2016 – 2017 “Long-term effects of stress on development of male sexual behavior and steroidogenesis and mitochondrial signalosome in testis“. Bilateralni projekat sa Slovenija-Srbija finansiran od strane Ministarstva nauke Republike Slovenije i Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije (rukovodilac: prof. dr Silvana Andrić).
- 2014 – 2020 The CNG channels in Leydig cell – identification, characterization and functional coupling to testosterone production“. Finansiran od strane Srpske Akademije nauka i umetnosti i Češke akademije nauka. (rukovodilac: prof. dr Silvana Andrić).
- 2011 - Molekularni mehanizmi i putevi signalne transdukcije uključeni u regulaciju steroidogeneze i adaptaciju Leydig-ovih ćelija na poremećenu steroidogenezu (OI173057). Projekat je sufinansiran iz programa osnovnih istraživanja Ministarstva za nauku Republike Srbije. Rukovodilac: Dr Tatjana Kostić, Prirodno-matematički fakultet, Novi Sad.

Nagrade:

- 2017 Prva nagrada za studentsku prezentaciju “The Fifth International Experimental Biology and Medicine Conference - Biological Clock; Mechanisms and application”, Rijeka, Croatia.
- 2017 Erasmus + stipendija za mobilnost studenta doktorskih studija i osoblja na Univerzitetu Radboud, Nijmegen, Holandija za kurs “ Stres i kognicija”.
- 2016 Stipendija za učešće na 16th YSF FEBS and 41th FEBS Kusadasi, Turkey.
- 2016 Stipendija za učešće na IUBMB/IUPAB/IUPS Advanced School “Receptors and Signaling”Greece.
- 2015-2016 Stipendija za studente doktorskih studija, Ministarstvo prosvete, nauke i tehnološkog razvoja.
- 2009 – 2014 Stipendija za student, Ministarstvo prosvete, nauke i tehnološkog razvoja.
- 2013-2014 Stipendija fondacije “Privrednik”.
- 2010-2014 Nagrada Prirodno-matematičkog fakulteta za studente sa visokim prosekom.
- 2009-2013 Stipendija Ministarstva omladine i sporta.

Članstvo u udruženjima:

- 2016 – Srpsko biohemijsko društvo.

- 2015 - Srpsko društvo za molekularnu biologiju.

Jezici: Engleski

Oblast istraživanja: reproduktivna endokrinologija, biološki časovnik, stres.

Publikacije:

Babuski AZ, **Medar MLj**, Andric SA, Kostic TS (2017) Circadian rhythm patterns of NO-cGMP signaling are moderately synchronized by melatonin in testosterone-producing Leydig cells. *Biologia Serbica*, 39(2):17-24.

Medar MLJ, Baburski AZ, Andric SA, Kostic TS (2017) One and ten time repeated immobilization stress affects the circadian expression pattern of Steroidogenic and Clock Genes in Rat Leydig cells. The Fifth International Experimental Biology and Medicine Conference, Biological Clock: Mechanism and Application. Rijeka, Hrvatska 06 – 08. X 2017.

Becin A, Marinkovic D, **Medar MLj**, Andric SA, Kostic TS (2017) Time-dependent changes in the rat Leydig cells primary culture. First Congress of Molecular Biologist of Serbia (CoMBoS). Belgrade 20-22. IX 2017.

Medar MLJ, Baburski AZ, Andric SA, Kostic TS (2017) Immobilization stress resets the circadian rhythm of the endocrine function of rat Leydig cells. First Congress of Molecular Biologist of Serbia (CoMBoS). Belgrade 20-22. IX 2017.

Andric SA, Radovic SM, Starovlah IM, **Medar MLj**, Sokanovic SJ, Baburski AZ, Kostic TS (2017) Symphony of molecular adaptation of testosterone-producing Leydig cells. First Congress of Molecular Biologist of Serbia (CoMBoS). Belgrade 20-22.IX 2017.

Medar MLj, Baburski AZ, Andric SA, Kostic TS (2017) Stress disturbs Circadian expression pattern of Steroidogenic and Clock genes in Rat Leydig Cells. Joint meeting of national physiological societies New perspectives in physiological research – young investigator forum. Subotica, Srbija. 25-27. V 2017.

Medar MLj, Baburski AZ, Andric SA, Kostic TS (2016) Pinealectomy alters cyclic Guanosine Monophosphate-Circadian Oscillation In Rat Leydig Cells. FEBS Congress Molecular and Systems Biology for Better Life 01-09. Kusadasi, Turkey, IX 2016.

Medar MLj, Baburski AZ, Andric SA, Kostic TS (2016) Pineal involvement in Circadian regulation of cGMP oscillation in Rat Leydig Cells. UBMB/IUPAB/IUPS Joint Advanced School "Receptors and Signaling" Spetses, Greece; 22-27. V 2016.

Medar MLj, Baburski AZ, Andric SA, Kostic TS (2015) Pinealectomy changes 24-h rhythm of expression of some genes included in NO-cGMP signaling pathway in Leydig cells of adult rats. III simpozijum biologa i ekologa Republike Srpske, Banja Luka, Bosna i Hercegovina, 12-14. XI 2015.

Medar MLj, Baburski AZ, Andric SA, Kostic TS (2015) Pineal is involved in shaping of 24-h rhythmic activity of NO-cGMP signaling in adult rat Leydig cells. 3rd Congress of the Serbian Society for Mitochondrial and Free Radical Physiology (SSMFRP), Redox Medicine: Reactive Species Signaling, Analytical Methods, Phytopharmacy, Molecular Mechanisms of Disease, Belgrade, Serbia, 25-26. IX 2017.

Popularizacija nauke:

- 2012 –2017 Noć biologije
- 2013-2014 Festival nauke