Isidora M Starovlah
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Obrazovanje:

- 2009 – 2013 Osnovne akademske studije biologije (modul molekularna biologija) (PMF UNS; *http://www.pmf.uns.ac.rs*) Prosečna ocena: 9.03/10.
- 2013 – 2014 Master akademske studije molekularne biologije (PMF UNS; *http://www.pmf.uns.ac.rs*) Prosečna ocena: 10/10. Master rad pod naslovom: "Molekularni markeri mitohondrijalne biogeneze u ćelijama koštane srži adultnih mužjaka pacova tretiranih tokom puberteta blokatorom androgenih receptora". Mentor: prof. dr Silvana Andrić.
- 2014 – Doktorske studije biologije, modul Animalna i humana fiziologija (BF UBG; http://www.bio.bg.ac.rs/). Rukovodilac modula: prof. dr Jelena Đorđević, mentor BF UBG: prof. dr Bato Koraćm, mentor PMF UNS: prof. dr Silvana Andrić.

Karijera:

- Decembar 2014 - Istraživač-pripravnik (PMF UNS; *http://www.pmf.uns.ac.rs*)
- Oktobar 2017 - Asistent za užu naučnu oblast Fiziologija životinja (PMF UNS; *http://www.pmf.uns.ac.rs*)

Učešće na projektima:

Nacionalni projekti

- APV3822, Kostic T (PI), 2016 – 2018. Projekat: *"Usporavanje razvoja hipogonadizma u starenju: efekat cGMP - zavisnih mehanizama"*. Uloga: istraživač.
- APV2551, Andric S (PI), 2016 – 2019. Projekat: "*Da li su reproduktivni hormoni i njihova signalizacija molekularni mehanizmi koji povezuju stres, metabolički sindrom i starenje?"*. Uloga: istraživač.
- OI173057, Kostic T (PI), 2011 – 2017 MPNTR RS. Projekat: "*Molekularni mehanizmi i putevi signalne transdukcije uključeni u regulaciju steroidogeneze i adaptaciju Leydig-ovih ćelija na poremećenu steroidogenezu*". Uloga: istraživač.

Međunarodni projekti

- Bilateralna saradnja Srbija-Slovenija finasirana od strane Ministarstva za nauku Republike Srbije, 2016 – 2017, Majdic G, Andric S (PIs). Projekat: *"Long-term effects of stress on development of male sexual behavior and steroidogenesis and mitochondrial signalosome in testis"*. Uloga: istraživač.
- Projekat finansiran od strane Srpske Akademije Nauka i Akademije Nauka Češke Republike. Andric S (PI), 2014 – 2017, Projekat: *"The CNG channels in Leydig cell – identification, characterization and functional coupling to testosterone production"*. Uloga: istraživač.
- FNS SNFS IZ73Z0_128070, Nef S, Andric S (PIs), 2009 – 2012, Švajcarska Nacionalna Fondacija (SNSF) SCOPES program. Projekat: "*Investigating the role of the insulin receptor family in regulating testicular steroidogenesis*". Uloga: istraživač.

Nagrade:

- Stipendista ministrastva prosvete, nauke i tehnološkog razvoja 2010/2011, 2011/2012, 2012/2013, 2013/2014.
- Nagrada Prirodno-matematičkog fakulteta za uspeh u toku godine studija 2012/2013.
- Nagrada za registraciju i putne troškove škole IUBMB/IUPAB/IUPS Joint Advanced School at Spetses island, Greece "Receptors and signaling" May 23rd – 27th, 2016.

Članstvo u udruženjima:

- 2016 Biohemijsko društvo Srbije.
- 2017 Srpsko društvo za molekularnu biologiju.

Jezici: Engleski, Nemački.

Oblast istraživanja: ćelijski signaling, reproduktivna endokrinologija.

Publikacije

1xM53:

1. **Starovlah IM**, Radovic SM, Marinovic MA, Kostic TS, Andric SA (2017) Psychophysical stress disturbs expression of mitochondrial biogenesis markers in hypothalamus and adenohypophysis. *Biologia Serbica* (u štampi).

4xM34:

1. **Starovlah IM**, Radović SM, Kostić TS, Silvana AA (2016) Stress causes different expression of mitochondrial biogenesis markers in rat steroid-producing cells of adrenal gland and testes. *41. FEBS Congress Molecular and Systems Biology for Better Life,* Ephesus, 3-8.09.2016.
2. **Starovlah IM**, Radović SM, Kostić TS, Silvana AA (2016) Stress causes different expression of mitochondrial biogenesis markers in rat steroid-producing cells of adrenal gland and testes. *IUBMB/IUPAB/IUPS Joint Advanced School "Receptors and Signaling",* Spetses 23-27.05.2016.
3. **Starovlah IM**, Radović SM, Kostić TS, Andric SA (2015) Stress causes opposite transcription profile of Ppargc1 the main mitochondrial biogenesis regulator in testicular and adrenal steroidogenic tissue of adult male rats. *III Symphosium of biologists and ecologists of Republic of Srpska.* Banja Luka 12.-14.11.2015.
4. **Starovlah IM**, Radović SM, Kostić TS, Silvana AA (2015) Opposite expression of mitochondrial biogenesis markers in steroid-producing cells of adrenal gland and testes from stressed adult rats. *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 26.09.2015.

6xM64:

1. **Starovlah IM**, Radovic SM, Patricio D, Kostic TS, Andric SA (2017) Profile of mitochondrial biogenesis markers and acromosomal reaction are disturbed in spermatozoa from stressed adult rats. *First Congress of Molecular Biologist of Serbia (CoMBoS).* Belgrade 20.-22.09.2017.
2. Radovic SM, Markovic AZ, Milosevic MM, **Starovlah IM**, Capo I, Nef S, Kostic TS , Andric SA (2017) The absence of insulin and Igf1 receptors in steroidogenic cells disturbs transcription of main markers of sexual determination and development as well as mitochondrial biogenesis in seminiferous tubules of prepubertal mice. *First Congress of Molecular Biologist of Serbia (CoMBoS).* Belgrade 20.-22.09.2017.

3. 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.-22.09.2017.
4. **Starovlah IM**, Radović SM, Kostić TS, Silvana AA (2017) The number of spermatozoa, acrosomal reaction and expression of mitochondrial biogenesis markers are disturbed in spermatozoa from stressed adult rats. *1. Joint Meeting of National Physiological Societies "New Perspectives in Physiological Research – Young Investigator Forum".* Subotica 25-27.05.2017.
5. Radovic SM, **Starovlah IM**, Nef S, Kostic TS, Andric SA (2017) Insulin and IGF1R receptors drive expression of the key regulators of mitochondrial biogenesis in steroidogenic cells of prepubertal testis, but not ovaries, *1. Joint Meeting of National Physiological Societies "New perspectives in Physiological Research – Young Investigator Forum".* Subotica 25-27.05.2017.
6. Radovic SM, **Starovlah IM**, Gak I, Dukic A, Kostic TS, Andric SA (2017) Psychophysical stress triggers mitochondrial biogenesis to preserve steroidogenesis in Leydig cells. *1. Joint Meeting of National Physiological Societies "New perspectives in Physiological Research – Young Investigator Forum"*. Subotica 25-27.05.2017.