CV - Sava M Radović

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Obrazovanje:

- 2006– 2011 Osnovne akademske studije molekularne biologije (PMF UNS; *http://www.pmf.uns.ac.rs*) Prosečna ocena: 9.05/10
- 2011– 2012 Master akademske studije molekularne biologije (PMF UNS; *http://www.pmf.uns.ac.rs*) Prosečna ocena: 9.14/10
- 2013– Doktorske studije biologije (PMF UNS; *http://www.pmf.uns.ac.rs*)

Karijera:

- 2013 – 2016 Istraživač-pripravnik (PMF UNS; *http://www.pmf.uns.ac.rs*)
- 2016 – Istraživač-saradnik (PMG UNS)

Studijski boravci i obuke:

- 05/12/2016 – 17/12/2016 Centra za genomiku životinja, Veterinarski fakultet u Ljubljani
- 23/05/2016 – 27/05/2016 IUBMB/IUPAB/IUPS letnja škola "Receptors and signaling", Spetses,Grčka
- 29/09/2014 – 05/10/2014 Škola mikroskopije, Istraživačka stanica Petnica
- 26/02/2015 – 27/02/2015 Obuka za rad sa laboratorijskim životinjama za V kategoriju , Etička komisija za zaštitu dobrobiti oglednih životinja Univerziteta u NovomSadu

Učešće na projektima:

- OI173057, Kostic T (PI), 01/01/2011 – 31/12/2019 MPNTR RS. Projekat: "Molekularni mehanizmi i putevi signalne transdukcije uključeni u regulaciju steroidogeneze i adaptaciju Leydig-ovih ćelija na poremećenu steroidogenezu". Uloga: istraživač.
- APV2856 Andric S (PI) 01/06/2016 – 31/05/2019 APV. Projekat: "Da li su reproduktivni hormoni moguća veza izmedju stresa, metaboličkog sindroma i starenja?". Uloga: istraživač.
- Bilateralna saradnja Srbija-Slovenija, Andric S (PI) 01/01/2016 – 31/12/2017 Projekat: "Long-term effects of stress on development of male sexual behavior and steroidogenesis and mitochondrial signalosome in testis". Uloga: istraživač.
- APV970, Andric S (PI), 01/06/2011 – 31/12/2015 APV. Projekat: "Signalni putevi i molekularni mehanizmi uključeni u održavanje homeostaze seksualnih steroida". Uloga: istraživač.
- FNS SNFS IZ73Z0_128070, Nef S, Andric S (PIs), 01/12/2009 – 31/11/2012, Švajcarska Nacionalna Fondacija (SNSF) SCOPES program. Projekat: *"Investigating the role of the insulin receptor family in regulating testicular steroidogenesis*".Uloga: istraživač.

Nagrade:

- 2016 Stipendija FEBS-a za učešće na "16th Young Scientists' Forum and FEBS Congress 2016"
- 2016 Stipendija IUBMB-a za učešće na IUBMB/IUPAB/IUPS letnjoj školi "Receptors and signaling"
- 2006–2011 Stipendista Ministarstva prosvete, nauke i tehnološkog razvoja Republike Srbije
- 2009–2011 Stipendista Hemofarm fondacije
- 2008,2009 Nagrada fakulteta za najbolje studente

Članstvo u udruženjima:
Biohemijsko društvo Srbije (od 2014)
Srpsko društvo za molekularnu biologiju (od 2015)

Jezici: Engleski (aktivno znanje), Ruski (čitanje i pisanje)

Oblastistraživanja: ćelijski signaling, reproduktivna endokrinologija, mitohondrijalna biogeneza

Publikacije:

- Baburski AZ, Sokanovic SJ, Bjelic MM, **Radovic SM**, Andric SA, Kostic TS (2015). Circadian rhythm of the Leydig cells endocrine function is attenuated during aging. *Exp Gerontol* 73:5-13.

- Gak IA*, **Radovic SM***, Dukic AR, Janjic MM, Stojkov-Mimic NJ, Kostic TS & Andric SA (2015). Stress triggers mitochondrial biogenesis to preserve steroidogenesis in Leydig cells. *BBA Mol Cell Res* 1853: 2217-2227.

- Stojkov-Mimic NJ, Bjelic MM, **Radovic SM**, Mihajlovic AI, Sokanovic SJ, Baburski AZ, Janjic MM, Kostic TS, Andric SA (2015). Intratesticular alpha1-adrenergic receptors mediate stress-disturbed transcription of steroidogenic stimulator NUR77 as well as steroidogenic repressors DAX1 and ARR19 in leydig cells of adult rats. *Mol Cell Endocrinol.* 412:309-319.

- Bjelic MM, Stojkov NJ, **Radovic SM**, Baburski AZ, Janjic MM, Kostic TS, Andric SA (2015). Prolonged in vivo administration of Testosterone-enanthate, the widely used and abused anabolic androgenic steroid, disturbs prolactin and cAMP signaling in Leydig cells of adult rats. *J Steroid BiochemMol Biol.* 149:58-69.

Oralne prezentacije:

- **Radović SM**, Gak I, Kostić TS, Andrić SA. Generation of new mitochondria is possible protective mechanism of basal steroidogenesis in Leydig cells. *IUBMB/IUPAB/IUPS Joint Advanced School "Receptors and Signaling"*, Spetses, Greece 23-27 May 2016.

Poster prezentacije:

- **Radovic SM**, Markovic AZ, Milosevic MM, Starovlah IM, Capo I, Nef S, Kostic TS, Andric SA. 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, Serbia 20-22 September 2017.

- **Radovic SM**, Starovlah IM, Nef S, Kostic TS, Andric SA. Insulin and IGF1R receptors drive expression of the key regulators of mitochondrial biogenesis in steroidogenic cells of prepubertal testis, but not ovaries, *Joint Meeting of National Physiological Societies "New perspectives in Physiological Research – Young Investigator Forum"*, Subotica, Serbia 25-27 May 2017.

- **Radovic SM**, Starovlah IM, Gak I, Dukic A, Kostic TS, Andric SA. Psychophysical stress triggers mitochondrial biogenesis to preserve steroidogenesis in Leydig cells. *Joint Meeting of National Physiological Societies "New perspectives in Physiological Research – Young Investigator Forum"*, Subotica, Serbia 25-27 May 2017.

- **Radović SM**, Gak I, Kostić TS, Andrić SA. Generation of new mitochondria is possible protective mechanism of basal steroidogenesis in Leydig cells. *41. FEBS Congress Molecular and Systems Biology for Better Life*, Ephesus, Turkey 3-8 September 2016.

- **Radovic SM**, Gak IA, Kostic TS, Andric SA. Mitochondrial biogenesis is possible adaptive response of testicular Leydig cells 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, Serbia, 25-26 September, 2015.

- **Radović SM**, Gak IA, Kostić TS, Andrić SA. Generation of new mitochondria is possible protection mechanism of basal steroidogenesis in Leydig cells from adult rats. *III simpozijum biologa i ekologa Republike Srpske*, Banja Luka, Bosna i Hercegovina, 12–14. novembar 2015.

Apstrakti:

- Starovlah IM, **Radovic SM**, Patricio D, Kostic TS, Andric SA. 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, Serbia 20-22 September 2017.

- Starovlah IM, Radovic SM, Kostic TS, Andrc SA. The number of spermatozoa, acrosomal reaction and expression of mitochondrial biogenesis markers are disturbed in spermatozoa from stressed adult rats. *Joint Meeting of National Physiological Societies "New Perspectives in Physiological Research – Young Investigator Forum"*, Subotica, Serbia 25-27 May 2017.

- Starovlah IM, **Radović SM**, Kostić TS, Andrić SA. Stress causes different expression of mitochondrial biogenesis markers in rat steroid-producing cells of adrenal gland and testes. *41st FEBS Congress Molecular and Systems Biology for Better Life*, Ephesus, Turkey 3-8 September 2016.

- Starovlah IM, **Radović SM**, Kostić TS, Andrić SA. 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, Greece 23-27 May 2016.

- Bjelić MM, **Radović SM**, Kostić TS, Andrić SA. Anabolic androgenic steroids impair steroidogenic function of adult rat Leydig cells via disruption of mitochondrial membrane potential and mitochondrial transport machinery. *III simpozijum biologa i ekologa Republike Srpske*, Banja Luka, Bosna i Hercegovina, 12–14. novembar 2015.

- Starovlah IM, **Radović SM**, Kostić TS, Andrić SA. Stress causes opposite transcription profile of Ppargc1 the main mitochondrial biogenesis regulator in testicular and adrenal steroidogenic tissue of adult rats. *III simpozijum biologa i ekologa Republike Srpske*, Banja Luka, Bosna i Hercegovina, 12–14. novembar 2015.

- Gak IA, **Radovic SM**, Stojkov – Mimic NJ, Kostic TS, Andric SA. Mitochondrial morphology and mitochondrial biogenesis are altered in Leydig cells from stressed adult rats. FEBS/EMBO Course:*Mitochondria in Life, Death and Disease – MITO 2015*, Crete, Greece, 12-16 October, 2015

- Baburski AZ, Sokanovic SJ, Bjelic MM, **Radovic SM**, Andric SA, Kostic TS. Circadian rhythm of the Leydig cells endocrine function is attenuated during aging. FEBS/EMBO Course: *Mitochondria in Life, Death and Disease – MITO 2015*, Crete, Greece, 12-16 October, 2015

- Bjelic MM, **Radovic SM**, Kostic TS, Andric SA. Testosterone- enanthate, the widely used and abused anabolic androgenic steroid, disrupt mitochondrial membrane potential and mitochondrial proteins involved in steroidogenic function of 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 September, 2015.

- Starovlah IM, **Radovic SM**, Kostic TS, Andric SA. 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, Serbia, 25-26 September, 2015.

- Baburski AZ, Sokanovic SJ, **Radovic SM**, Bjelic MM, Andric SA, Kostic TS. Melatonin replacment restores the circadian behavior in adult rat Leydig cells after pinealectomy. FEBS3+Meeting: *Molecules of Life*, Portoroz, Slovenia, 16-19 September, 2015.

- Gak IA*, **Radovic SM***, Stojkov-Mimic NJ, Kostic TS, Andric SA. Stress triggers mitochondrial biogenesis to preserve steroidogenesis in Leydig cells.FEBS3+Meeting: *Molecules of Life*, Portoroz, Slovenia, 16-19September, 2015.

Popularizacija nauke:

- 2011 – 2015 „Noć biologije”
- 2011 – 2012 „Noć istraživača”