

## CV - Isidora M Starovlah

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### Obrazovanje:

- 2014 – Doktorske studije biologije (BF UBG; <http://www.bio.bg.ac.rs/>)
- 2013 – 2014 Master akademske studije molekularne biologije (PMF UNS; <http://www.pmf.uns.ac.rs>) Prosečna ocena: 10/10
- 2009 – 2013 Osnovne akademske studije biologije (modul molekularna biologija) (PMF UNS; <http://www.pmf.uns.ac.rs>) Prosečna ocena: 9.03/10

### Karijera:

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

### Učešće na projektima:

- OI173057, Kostic T (PI), 01/01/2011 – 31/12/2014 MPNTR RS. Projekat: “*Molekularni mehanizmi i putevi signalne transdukcije uključeni u regulaciju steroidogeneze i adaptaciju Leydig-ovih ćelija na poremećenu steroidogenezu*”. 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.
- APV 2856, Andric S (PI), 01/06/2016 – 31/12/2019 APV. Projekat: “*Da li su reproduktivni hormoni i njihova signalizacija molekularni mehanizmi koji povezuju stres, metabolički sindrom i starenje?*” Uloga: istraživač.
- Projekat Srpske akademije nauka i umetnosti i Češke akademije nauka, Andric S (PI), 01/01/2014 – 31/12/2018. Projekat: “*The CNG channels in Leydig cell – identification, characterization and functional coupling to testosterone production*” Uloga: istraživač.

### Nagrade:

- Stipendista ministarstva 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” 23-27.05.2016.

### Članstvo u udruženjima:

- Srpsko društvo za molekularnu biologiju
- Biohemijsko društvo Srbije
- Srpsko društvo za mitohondrijalnu i slobodno-radikalnu fiziologiju

**Jezici:** Engleski, Nemački

**Oblast istraživanja:** ćelijski signaling, reproduktivna endokrinologija

### Publikacije

**1xM52:**

**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* 39(2): 43-51.

#### **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 Symposium 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, Kostic TS, Andre SA (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.
2. **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.
3. Radovic SM, Markovic AZ, Milosevic MM, **Starovlah IM**, Capo I, Nef S, Kostic TS, Andric SA (2017) The absence of insulin and Igfl 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.
4. 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.
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.

**Popularizacija nauke:**

- 2012-2017 učešće na radionicama u okviru manifestacije “Noć Biologije” DBE PMF UNS.