



## Nevena Kitanović

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### ABOUT ME

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I am a PhD Candidate at the Doctoral School of Animal Sciences and Biotechnology of the Hungarian University of Agriculture and Life Sciences. The research area of my thesis is fish reproduction and gamete biology, with the focus on in vitro models of fish oogenesis and oocyte development.

### WORK EXPERIENCE

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#### Graduate Research Assistant

*Hungarian University of Agriculture and Life Sciences | Department of Aquaculture [ 03/2019 – Current ]*

Address: Páter Károly 1, 2100 Gödöllő (Hungary) - <https://godollo.uni-mate.hu/en/institutes/institute-aquaculture-and-environmental-safety>

City: Gödöllő

Country: Hungary

Name of unit or department: Institute of Aquaculture and Environmental Safety - **Business or sector:**

Member of the [Fish Reproductive Biology Research Group](#), focused on developing different approaches in reproduction and conservation of genetic resources in fish, such as cryopreservation, *in vitro* culture and xenotransplantation of gametes and germline stem cells.

## Research assistant

**University of Novi Sad | Faculty of Sciences** [ 06/2015 – 12/2018 ]

Address: Trg Dositeja Obradovića 2, 21000 Novi Sad (Serbia) - [endos.pmf.uns.ac.rs](http://endos.pmf.uns.ac.rs)

City: Novi Sad

Country: Serbia

Name of unit or department: Department of Biology and Ecology - **Business or sector:**

Member of the Laboratory for Endocrine Disruptors and Cell Signaling (ENDOS).

Participated in research projects focusing on the mechanism of action of endocrine-disrupting chemicals, using *in vitro* and *in vivo* animal model systems:

- *Endocrine disrupting compounds: reproductive, metabolic, developmental responses and mechanisms of action in selected model organisms and cell lines* - funded by the Ministry of Education, Science and Technological Development of the Republic of Serbia
- *Responsiveness of Mitogen-activated Protein-Kinase Signaling on Chemical Exposure of Human and Fish Cells* - funded by the Swiss National Science Foundation (SCOPES)

## Teaching assistant

**University of Novi Sad | Faculty of Sciences** [ 01/2016 – 12/2018 ]

Address: Trg Dositeja Obradovića 2, 21000 Novi Sad (Serbia) - [www.pmf.uns.ac.rs](http://www.pmf.uns.ac.rs)

City: Novi Sad

Country: Serbia

Email address: [info@pmf.uns.ac.rs](mailto:info@pmf.uns.ac.rs)

- **Business or sector:** Education

Lead practical classes and developed teaching materials for students at the undergraduate level

Prepared and supervised examinations

Evaluated and graded examinations, assignments and papers

Course list:

- Cell Biology
- Chordate Zoology
- Histology with Embryology
- Cell and Tissue Processing in Histology
- Animal Cell and Tissue Culture Techniques

## EDUCATION AND TRAINING

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### Ph.D. in Animal Biotechnology and Animal Science

**Hungarian University of Agriculture and Life Sciences** [ 09/2019 – Current ]

Address: Páter Károly 1, 2100 Gödöllő (Hungary)

[sziu.hu/animal-husbandry-science-phd-school](http://sziu.hu/animal-husbandry-science-phd-school)

Thesis: Development of culture systems to support *in vitro* oogenesis in fish

## **M.Sc. in Molecular Biology**

**University of Novi Sad, Novi Sad | Faculty of Sciences | Department of Biology and Ecology** [ 09/2014 – 09/2015 ]

Address: Trg Dositeja Obradovića 2, 21000 Novi Sad (Serbia)

[www.dbe.uns.ac.rs](http://www.dbe.uns.ac.rs)

Final grade : 10.00 (scale grade: 6 to maximum of 10)

Title of thesis: *In vitro and computational investigations of protein-ligand interactions in human aldo-keto reductase 1C3: application for the design of novel inhibitors with anticancer potential*

Mentor: Dr Edward Petri, Assistant Professor at the Department of Biology and Ecology, Faculty of Sciences in Novi Sad

## **B.Sc. in Molecular Biology**

**University of Novi Sad, Novi Sad | Faculty of Sciences | Department of Biology and Ecology** [ 09/2010 – 09/2014 ]

Address: Trg Dositeja Obradovića 2, 21000 Novi Sad (Serbia)

[www.dbe.uns.ac.rs](http://www.dbe.uns.ac.rs)

Final grade : 9.26 (scale grade: 6 to maximum of 10)

## **Summer School „Zebrafish as Models in Biomedical Research: Focus on Gene, Brain and Behaviour“**

**Radboud University | Department of Animal Ecology and Physiology** [ 08/2017 – 08/2017 ]

Address: Nijmegen (Netherlands)

[www.ru.nl/radboudsummerschool](http://www.ru.nl/radboudsummerschool)

Summer course organized by the Radboud Summer School.

The course was a comprehensive introduction to different approaches of using zebrafish as a model organism, with the main focus on neurological, behavioral and genetic research.

## **Training "Cell Culture Techniques and Alternatives to Animal Testing"**

**Swiss Federal Institute of Aquatic Science and Technology (EAWAG)** [ 04/2016 – 06/2016 ]

Address: Dübendorf (Switzerland)

[www.eawag.ch](http://www.eawag.ch)

Three-month visit to the [Department of Environmental Toxicology, Research Group for Animal Cells and Organisms](#) led by Prof. Dr. Kristin Schirmer, in the frame of an international SCOPES project (No. IZ73Z0\_152743/1). Training involved working with established fish cell lines, learning cell culture techniques and the methods used in the evaluation of cytotoxicity of different xenobiotic compounds in fish model systems.

## Workshop “Basics of working with experimental animals”

Ethics Council for Welfare of Animals used in Animal Testing of Republic of Serbia [ 10/2015 – 10/2015 ]

Final grade : Certificate of Accomplishment - V category

Short course organized by the Ethics Committee for the Welfare of Experimental Animals at the University of Novi Sad, on the methods and techniques necessary for the proper handling and treatment of animals most often used in experimental studies, with the emphasis on the welfare of the animals and ethical conduct of the researcher.

## LANGUAGE SKILLS

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Mother tongue(s):

**Serbian**

Other language(s):

**English**

**LISTENING C1 READING C1 WRITING C1**

**SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1**

## PUBLICATIONS

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**A novel strategy for conservation of European eel (*Anguilla anguilla*) genetic resources.**

[2020]

Šćekić, I., Marinović, Z., Lujić, J., Müller, T., Kitanović, N., Urbányi, B. and Horváth, Á., 2020. A novel strategy for conservation of European eel (*Anguilla anguilla*) genetic resources: Cryopreservation of ovarian stem cells. *Cryobiology*.

**Protected freshwater ecosystem with incessant cyanobacterial blooming awaiting a resolution.**

[2020]

Tokodi, N., Drobac Backović, D., Lujić, J., Šćekić, I., Simić, S., Đorđević, N., Dulić, T., Miljanović, B., Kitanović, N., Marinović, Z. and Savela, H., 2020. Protected freshwater ecosystem with incessant cyanobacterial blooming awaiting a resolution. *Water*, 12(1), p.129.

## NETWORKS AND MEMBERSHIPS

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**Society for Cryobiology**

[ USA, Maryland, 05/2020 – Current ]

[International Society for Low Temperature Biology and Medicine](#) is a society with the purpose of promoting scientific research in low temperature biology, improving scientific understanding in this field, and disseminating this knowledge.

**Zebrafish Husbandry Association**

[ USA, Florida, 06/2017 – Current ]

[The Zebrafish Husbandry Association](#) is a non-profit international organization devoted to promoting and developing zebrafish husbandry standards through education, collaboration, and publication.

## **The Society for In Vitro Biology**

[ USA, North Carolina, 06/2021 – Current ]

[The Society for In Vitro Biology \(SIVB\)](#) is a professional society devoted to fostering the exchange of knowledge of in vitro biology of cells, tissues and organs from both plant and animals

## **CONFERENCES AND SEMINARS**

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### **CRYO2020 - 57th Annual Meeting of the Society for Cryobiology**

[ Virtual Meeting, 21/07/2020 – 23/07/2020 ]

Annual meeting organized by the Society for Cryobiology, with the multi-disciplinary focus in cryobiology, covering both practical and theoretical aspects of low temperature biology and thermal medicine.

[cryo2020.com](http://cryo2020.com)

### **7th International Workshop on the Biology of Fish Gametes**

[ Rennes, France , 02/09/2019 – 06/09/2019 ]

Biennial workshop, organized by the French National Institute of Agricultural Research (INRA) - Department of Fish Physiology and Genomics, with the goal gathering scientific community working on the gamete biology of fish and aquatic species.

[workshop.inrae.fr/fishgametes2019](http://workshop.inrae.fr/fishgametes2019)

### **IX Conference of Agronomy Students, with international participation**

[ Čačak, Serbia, 26/08/2019 – 28/08/2019 ]

Bianual event traditionally held every second year at the Faculty of Agronomy in Čačak, Serbia, focusing on presenting the research work of participating universities and their students' researches in the field of biotechnology.

### **SIVB 2021 - In Vitro Biology Meeting**

[ Virtual Meeting, 05/06/2021 – 09/06/2021 ]

Annual meeting organized by the Society for In Vitro Biology exploring the core principles and recent innovations in biotechnology, genome editing, infectious disease, model organisms and other areas of *in vitro* plant and animal research.

## **HONOURS AND AWARDS**

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### **Stipendium Hungaricum Scholarship**

Tempus Public Foundation in Hungary [ 06/2019 ]

Higher education scholarship programme of the Hungarian Government, supervised by the Ministry of Foreign Affairs and Trade of Hungary and managed by the Tempus Public Foundation, which aims to support the international students to continue their education in Hungary.

### **Erasmus+ Scholarship for the Learning Mobility of Individuals**

European Commission - Erasmus+ Programme [ 03/2017 ]

Scholarship given by the Erasmus+ Programme (Key Action 1) for the funded mobility of doctoral students and teaching staff of the University of Novi Sad to the Radboud University in Nijmegen, Netherlands

### **Best Master's Thesis in the field of Molecular Biology for the academic year of 2015**

Goran Ljubijankic Foundation - Institute of Molecular Genetics and Genetic Engineering, Belgrade [ 10/2015 ]