



# Sandra Sobocanec

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## WORK EXPERIENCE

2013 – CURRENT Zagreb, Croatia  
**SENIOR RESEARCH ASSOCIATE** RUĐER BOŠKOVIĆ INSTITUTE

2008 – 2013 Zagreb, Croatia  
**RESEARCH ASSOCIATE** RUĐER BOŠKOVIĆ INSTITUTE

1999 – 2008 Zagreb, Croatia  
**RESEARCH ASSISTANT** RUĐER BOŠKOVIĆ INSTITUTE

## EDUCATION AND TRAINING

2006 Zagreb, Croatia  
**PHD IN BIOLOGICAL SCIENCES** Faculty of Science, University of Zagreb

**Website** <https://www.pmf.unizg.hr/biol/en>

2003 Zagreb, Croatia  
**MSC IN BIOLOGICAL SCIENCES** Faculty of Science, University of Zagreb

**Website** <https://www.pmf.unizg.hr/biol/en>

1999 Zagreb, Croatia  
**GRADUATE IN BIOLOGICAL SCIENCES** Faculty of Science, University of Zagreb

**Website** <https://www.pmf.unizg.hr/biol/en>

2013 Zagreb, Croatia  
**FELASA EQUIVALENT CAT. C LICENCE** Faculty of Science, University of Zagreb

**Website** <https://www.pmf.unizg.hr/biol/en>

## LANGUAGE SKILLS

Mother tongue(s): **CROATIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C2	C1	C1	C1	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

## PROJECTS

2023 – CURRENT  
**Croatian Science Foundation Project (grant No. 4806)**

"Investigating sex-specific metabolic effect of Sirtuin 3 in obesity-related diseases - Obese Sirt" - Principal Investigator

2020 – 2023

**EU OPKK IRI 2 Project No. 01.2.1.02.0090**

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"ONE - Research and development of meals for the survival of the new generation"; Project Collaborator

Link <https://bit.ly/3LRmNsW>

2016 – 2018

**EU OPKK IRI Project No. KK 01.2.1.01.0017.**

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„Cedevita Healthy OTG" - the development of the new, healthier and low-calorie instant vitamin drink"; Project Collaborator

Link <https://bit.ly/3z6qsjF>

2015 – 2019

**Croatian Science Foundation Project (grant No. 4533)**

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„Sirtuin3 as a mediator of mitochondrial function in estrogen-dependent resistance to hyperoxia and high-fat diet"; Project Collaborator

Link <https://bit.ly/3Ot8SLH>

## ● **HONOURS AND AWARDS**

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2021

**RBI Award for best scientific paper – Institute Ruđer Bošković**

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Annual award for best scientific publication in Antioxidants (2020)

2019

**RBI Award for best scientific paper – Institute Ruđer Bošković**

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Annual award for best scientific publications in eLife (2018).

2019

**RBI Award for best scientific paper – Institute Ruđer Bošković**

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Annual award for best scientific publications in Aging US (2018).

2017

**RBI Award for best scientific paper – Institute Ruđer Bošković**

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Annual award for best scientific publication in Redox Biology (2016).

2024

**Invited lecture – Serbian Society for Mitochondrial and Free Radical Physiology**

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Fifth International Congress of the Serbian Society for Mitochondrial and Free Radical Physiology, Belgrade, Serbia

2022

**Invited lecture – HDIR**

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The Conference of the Croatian Association for Cancer Research „HDIR-6 Targeting cancer", Zagreb, Croatia

2018

**Invited lecture – The COST Action**

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The COST Action CA 15133, Zagreb, Croatia

2016

**Invited lecture – Croatian Society of Biochemistry and Molecular Biology**

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Congress of the Croatian Society of Biochemistry and Molecular Biology, Zadar, Croatia

## ● PROFESSIONAL TRAINING

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02/2016 – 03/2016

**Max Planck Institute for Biology of Aging, Cologne, Germany**

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professional training in Bioinformatics - InnoMol Enhancement of the Innovation Potential in SEE through new Molecular Solutions in Research and Development

01/2008 – 01/2008

**University of Manchester, Great Britain**

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professional training in Biostatistics - Training School in the Experimental Design and Statistical Analysis of Biomedical Experiments

## ● MANAGEMENT & LEADERSHIP SKILLS

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**2019.**

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Ivana Kučar, bacc. Mol.Biol., graduate thesis - mentorship

**2019.** Dora Marčinko, bacc. Mol.Biol., graduate thesis - mentorship

**2017.** Grazia Davidović, bacc. Mol. Biol., graduate thesis - mentorship

**2015.** Antonija Perović, spec. med. Biochem, doctoral thesis - comentorship

**2013.** Anita Vidović, Faculty of Science, University of Zagreb, doctoral thesis - mentorship

**2011.** Željka M Šafranko, Faculty of Science, University of Zagreb, doctoral thesis - mentorship

## ● COMMUNICATION AND INTERPERSONAL SKILLS

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**2009-present:**

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Elective course „Biotechnology and Drug Research“, Department of Biotechnology, University of Rijeka

**2009-2010:** Doctoral study, course "Methods for measuring nitric oxide in biological systems", Faculty of Pharmacy and Biochemistry, University of Zagreb

**2006:** Postgraduate study, course „Neuroimmunology“, Faculty of Science, University of Zagreb

## ● PUBLICATIONS

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**2018. - 2024.**

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- Ena Šimunić, Iva I Podgorski, Marija Pinterić, Marijana Popović Hadžija, robert Belužić, Mladen Paradžik, Lucija Dončević, Tihomir Balog, Marta Kaloper, Hansjorg Habisch, Tobias Madl, Aleksandra Korać, Sandra Sobočanec (2024) Mechanisms of Ageing and Development 111996
- Robert Belužić, Ena Šimunić, Iva I. Podgorski, Marija Pinterić, Marijana Popović Hadžija, Tihomir Balog, Sandra Sobočanec (2024) International Journal of Molecular Sciences 25, 3868.
- M Pinterić, I I Podgorski, M Popović Hadžija, I Tartaro Bujak, A Tadijan, T Balog, S Sobočanec (2021) International Journal of Molecular Sciences 22 (8), 4277.
- I I. Podgorski, M Pinterić, D Marčinko, M P Hadžija, V Filić, I Ciganek, D Pleše, T Balog, S Sobočanec (2020) Life Sciences 254:117812.
- M Pinteric, I I. Podgorski, M Popovic Hadžija, V Filic, M Paradžik, B L J Proust, A Dekanic, I Ciganek, D Pleše, D Marcinko, T Balog, S Sobocanec (2020) Antioxidants 9, 294; 1.
- M Pinterić, I I Podgorski, M Popović Hadžija, I Tartaro Bujak, A Dekanić, R Bagarić, V Farkaš, S Sobočanec, T Balog (2020) Antioxidants 9;2; 174.
- M Musa, M Perić, P Bou Dib, S Sobočanec, A Šarić, A Lovrić, M Rudan, A Nikolić, I Milosević, K Vlahoviček, N Raimundo, A Kriško (2018) Aging-US 10;9; 2407-2427.
- Pinterić, M; Podgorski, I I.; Sobočanec, S; Popović Hadžija, M; Paradžik, M; Dekanić, A; Marinović, M; Halasz, M; Belužić, R; Davidović, G et al. (2018) Free Radical Research, 52 6; 672, 684.
- M Rudan, P Bou Dib, M Musa, M Kanunnikau, S Sobočanec, D Rueda, T Warnecke, A Kriško (2018) eLife 7:e35330
- Perović, A; Sobočanec, S; Dabelić, S; Balog, T; Dumić, J (2018) Free radical research, 52 2; 188-197.
- Perić, M; Lovrić, A; Šarić, A; Musa, M; Bou Dib, P; Rudan, M; Nikolić, A; Sobočanec, S; Mikecin, AM; Dennerlein, S, Kriško A. (2017) Aging cell, 16, 5; 994-1005.
- Šarić, A; Crnolatac, I; Bouillaud, F; Sobocanec, S; Mikecin, AM; Mačak Šafranko, Ž; Deligeorgiev, T; Piantanida, I; Balog, T; Petit, P (2017) Methods and Applications in Fluorescence, 5 1; 015007-1
- M Perić, P Bou Dib, S Dennerlein, A Lovrić, M Musa, M Rudan, A Nikolić, A Šarić, S Sobočanec, Ž Mačak, N Raimundo, A Kriško (2016) Scientific Reports 6:No.28751.
- Sobočanec, S; Filić, V; Matovina, M; Majhen, D; Šafranko, Ž M; Popović Hadžija, M; Krsnik, Ž; Gudan Kurilj, A; Šarić, A; Abramić, M; Balog, T (2016) Redox Biology, 8, 149-159.

(for complete list see <https://bit.ly/43wIw3W> )