

Curriculum Vitae

Personal Information

Name and surname: Eva Šatović Vukšić

Residence: Zagreb, Croatia

E-mail: esatovic@irb.hr

Education

2008 – 2013

Postgraduate Interdisciplinary University Study Programme in Molecular Biosciences at Josip Juraj Strossmayer University of Osijek, University of Dubrovnik and Ruđer Bošković Institute.

Academic degree awarded: **PhD in Natural Sciences**, field of Biology, area of Genetics, Evolution and Phylogeny.

2000 – 2006

Faculty of Science, University of Zagreb, Department of Biology.

Academic degree awarded: University diploma (BSc+MSc equivalent) in the field of **Biology**, specialization in **Molecular Biology**.

Professional Experience

April 2024 – present

Senior Research Associate, Ruđer Bošković Institute, Division of Molecular Biology

November 2018 – April 2024

Research Associate, Ruđer Bošković Institute, Division of Molecular Biology

December 2017 – November 2018

Postdoctoral Researcher, Ruđer Bošković Institute, Division of Molecular Biology

December 2016 – December 2017

Project Leader position at Ruđer Bošković Institute, Division of Molecular Biology

December 2014 – December 2016

Postdoctoral Researcher and Project Leader, Institute for Research in Biomedicine (IRB Barcelona), Cell & Developmental Biology Programme, Chromatin Structure and Function Group, Barcelona, Spain

June 2013 – December 2014

Postdoctoral Researcher, Ruđer Bošković Institute, Division of Molecular Biology

June 2007 – May 2013

PhD Student, Ruđer Bošković Institute, Division of Molecular Biology

December 2006 – May 2007

Volunteer, Ruđer Bošković Institute, Division of Molecular Biology

Teaching Activities

2022 – present

Adjunct Assistant Professor at the Postgraduate Interdisciplinary University Study Programme in Molecular Biosciences, University of Osijek, University of Dubrovnik and Ruđer Bošković Institute.

2021 – present

Lecturer of the course “**Structural Genomics**” at the Postgraduate Interdisciplinary University Study Programme in Molecular Biosciences, University of Osijek, University of Dubrovnik and Ruđer Bošković Institute.

Project Leadership

December 2025 – December 2028

Croatian Science Foundation: “The impact of repetitive sequences on the molecular evolution and architecture of bivalve genomes”

January 2025 – January 2027

Adris Foundation: “Elucidating the role of "dark matter" in the functioning of the genome of the economically important beetle *Tenebrio molitor*”

March 2025 – March 2026

NextGenerationEU: “Insights into Bivalve Genome Evolution through the Lens of Repetitive DNA Sequences” (KP1-25, 01-855/2-2025)

April 2024 – April 2025

NextGenerationEU: “Repetitive Sequences in Bivalve and Insect Genomes: A Key to Understanding Genome Evolution and Chromosomal Architecture” (KP1-24, 01-1332/2-2024)

April 2024 – April 2025

NextGenerationEU: “The Role of Invasive Genetic Elements in Shaping the Genomes of Invasive Species” (KP2-24, 01-1333/2-2024)

December 2014 – December 2017

“Functional contribution of embryonic histone H1 variant of *Drosophila*, dBigH1, to germline development”, within the Marie Skłodowska-Curie Actions FP7-PEOPLE-2011-COFUND NEWFELPRO (New International Fellowship Mobility Programme for Experienced Researchers in Croatia). 12/2014 – 12/2016: outgoing phase at the Institute for Research in Biomedicine – IRB Barcelona, Spain. 12/2016 – 12/2017: return phase at the Ruđer Bošković Institute, Croatia.

Project Proposals Submitted in Collaboration with Other Scientists

2020 – 2024

Croatian Science Foundation: “Satellite DNA evolution illuminated by high-throughput satellitome analyses of related species”

This project was conceived and written by Dr. Brankica Mravinac, Dr. Eva Šatović Vukšić and Dr. Miroslav Plohl as co-authors with equal contributions to the idea and preparation of

the proposal.

Team member of projects

2015 – 2019

Croatian Science Foundation: “Centromeric Genomics of Invertebrates” (PI M. Plohl)

2016 – 2018

Spanish Government: “New Epigenetic Factors and Mechanisms Involved in the Regulation of Chromatin Structure and Function” (PI Ferran Azorín)

2014–2016

Agency for Management of University and Research Grants, Catalan Government: “Epigenetic Regulation of Chromatin Structure and Function” (project leader Ferran Azorín)

2013–2014

Adris Foundation: “Development of DNA Markers for Identification of the Commercially Important Bivalve Species *Ruditapes decussatus* in the Adriatic Sea” (PI B. Mravinac)

2007–2013

Croatian Ministry of Science, Education and Sports: “Evolution, Characteristics and Functional Interactions of Satellite DNA Sequences” (PI M. Plohl)

2009–2010

Croatian-Italian Bilateral Project: “Origin and Evolution of Satellite DNAs of Two Economically Important Bivalve Species of the Genus *Venerupis* in the Adriatic Sea” (PI M. Plohl)

Scientific Publications

- Majcen, P.; Šatović-Vukšić, E.* Chromatin condensation dynamics during spermatogenesis and variation in detectability and spatial distribution of satellite DNAs outside constitutive heterochromatin in *Tenebrio molitor*. *Front. Insect Sci.* 6 (2026), 1858332.
- Majcen, P.; Sermek, A.; Ugarković, Đ.; Oppert, B.; Plohl, M.; Šatović-Vukšić, E.* Integrative satellitomics reveals distinct patterns of organization, transcription and evolution of satellite DNAs in *Tenebrio molitor*. *Biology Direct*, 21 (2026), 1; 74.
- Garrido-Ramos, M.A.; Plohl, M.; Šatović-Vukšić, E.* Satellite DNA Genomics: The Ongoing Story. *Int. J. Mol. Sci.* 2025, 26, 1–23.
- Šatović-Vukšić, E.*; Majcen, P.; Plohl, M. Satellite DNAs rising from the transposon graveyards. *DNA Res.* 2025, 32, dsaf026, doi:10.1093/dnares/dsaf026.
- Tunjić-Cvitanić, M.; García-Souto, D.; Pasantes, J.J.; Šatović-Vukšić, E.* Dominance of transposable element-related satDNAs results in great complexity of “satDNA library” and invokes the extension towards “repetitive DNA library”. *Marine Life Science and Technology*, 6 (2024), 1; 1–16.
- Oppert, B.; Dossey, A.T.; Chu, F.-C.; Šatović-Vukšić, E.; Plohl, M.; Smith, T.P.L.; Koren, S.; Olmstead, M.L.; Leierer, D.; Ragan, G.; et al. The Genome of the Yellow Mealworm, *Tenebrio molitor*: It’s Bigger Than You Think. *Genes* (2023), 14, 2209.

- Šatović-Vukšić, E.; Plohl, M. Satellite DNAs—From Localized to Highly Dispersed Genome Components. *Genes* 14 (2023), 742.
- Oppert, B.; Muszewska, A.; Steczkiewicz, K.; Šatović-Vukšić, E.; Plohl, M.; Fabrick, J.A.; Vinokurov, K.S.; Koloniuk, I.; Johnston, J.S.; Smith, T.P.L.; Guedes, R.N.C.; Terra, W.R.; Ferreira, C.; Dias, R.O.; Chaply, K.A.; Elpidina, E.N.; Tereshchenkova, V.F.; Mitchell, R.F.; Jenson, A.J.; McKay, R.; Shan, T.; Cao, X.; Miao, Z.; Xiong, C.; Jiang, H.; Morrison, W.R., III; Koren, S.; Schlipalius, D.; Lorenzen, M.D.; Bansal, R.; Wang, Y.-H.; Perkin, L.; Poelchau, M.; Friesen, K.; Olmstead, M.L.; Scully, E.; Campbell, J.F. The Genome of *Rhyzopertha dominica* (Fab.) (Coleoptera: Bostrichidae): Adaptation for Success. *Genes* 13 (2022), 446.
- Šatović-Vukšić, E.*; Plohl, M. Classification Problems of Repetitive DNA Sequences. *DNA*, 1 (2021), 2; 84–90.
- Tunjić-Cvitanić, M.; Pasantes, J.J.; García-Souto, D.; Cvitanić, T.; Plohl, M.; Šatović-Vukšić, E.* Satellitome Analysis of the Pacific Oyster *Crassostrea gigas* Reveals New Pattern of Satellite DNA Organization, Highly Scattered across the Genome. *International Journal of Molecular Sciences*, 22 (2021), 13; 6798.
- Tunjić Cvitanić, M.; Vojvoda Zeljko, T.; Pasantes, J.J.; García-Souto, D.; Gržan, T.; Despot-Slade, E.; Plohl, M.; Šatović, E. Sequence Composition Underlying Centromeric and Heterochromatic Genome Compartments of the Pacific Oyster *Crassostrea gigas*. *Genes*, 11 (2020), 6; 695.
- Šatović, E.*; Tunjić Cvitanić, M.; Plohl, M. Tools and databases for solving problems in detection and identification of repetitive DNA sequences. *Periodicum biologorum*, 121–122 (2020), 1–2; 7–14.
- Šatović, E.*; Luchetti, A.; Pasantes, J.J.; García-Souto, D.; Cedilak, A.; Mantovani, B.; Plohl, M. Terminal-Repeat Retrotransposons in Miniature (TRIMs) in bivalves. *Scientific Reports*, 9 (2019), 19962.
- Šatović, E.; Font-Mateu, J.; Carbonell, A.; Beato, M.; Azorín, F. Chromatin remodeling in *Drosophila* preblastodermic embryo extract. *Scientific Reports*, 8 (2018), 10927.
- Šatović, E.*; Plohl, M. Distribution of DTHS3 satellite DNA across 12 bivalve species. *Journal of Genetics*, 97 (2018), 2; 575–580.
- Šatović, E.; Vojvoda Zeljko, T.; Plohl, M. Characteristics and evolution of satellite DNA sequences in bivalve mollusks. *European Zoological Journal*, 58 (2018), 1; 95–104.
- Nanić, L.; Škrobot Vidaček, N.; Ravlić, S.; Šatović, E.; Huzak, M.; Rubelj, I. Mutual interactions between telomere heterogeneity and cell culture growth dynamics shape stochasticity of cell aging. *Biogerontology*, 19 (2018), 1; 23–31.
- García-Souto, D.; Mravinac, B.; Šatović, E.; Plohl, M.; Morán, P.; Pasantes, J.J. Methylation profile of a satellite DNA constituting the intercalary G+C-rich heterochromatin of the cut trough shell *Spisula subtruncata* (Bivalvia, Mactridae). *Scientific Reports*, 7 (2017), 6930.
- Šatović, E.*; Plohl, M. Two new miniature inverted-repeat transposable elements in the genome of the clam *Donax trunculus*. *Genetica*, 145 (2017), 4; 379–385.
- Šatović, E.; Vojvoda Zeljko, T.; Luchetti, A.; Mantovani, B.; Plohl, M. Adjacent sequences disclose potential for intra-genomic dispersal of satellite DNA repeats and

- suggest a complex network with transposable elements. *BMC Genomics*, 17 (2016), 977; 1–12.
- Luchetti, A.; Šatović, E.; Mantovani, B.; Plohl, M. RUDI, a short interspersed element of the V-SINE superfamily widespread in molluscan genomes. *Molecular Genetics and Genomics*, 291 (2016), 3; 1419–1429.
 - Meštrović, N.; Mravinac, B.; Pavlek, M.; Vojvoda-Zeljko, T.; Šatović, E.; Plohl, M. Structural and functional liaisons between transposable elements and satellite DNAs. *Chromosome Research*, 23 (2015), 3; 583–596.
 - Šatović, E.; Plohl, M. Tandem repeat-containing MITEs in the clam *Donax trunculus*. *Genome Biology and Evolution*, 5 (2013), 12; 2549–2559.
 - Plohl, M.; Petrović, V.; Luchetti, A.; Ricci, A.; Šatović, E.; Passamonti, M.; Mantovani, B. Long-term conservation vs. high sequence divergence: the case of an extraordinarily old satellite DNA in bivalve mollusks. *Heredity (Edinburgh)*, 104 (2010), 6; 543–551.
 - Petrović, V.; Perez-Garcia, C.; Pasantes, J.; Šatović, E.; Prats, E.; Plohl, M. A GC-rich satellite DNA and karyology of the bivalve mollusc *Donax trunculus*: a dominance of GC-rich heterochromatin. *Cytogenetics and Genome Research*, 124 (2009), 1; 63–71.

Book Chapter

- Šatović Vukšić, E.; Plohl, M. **Exploring Satellite DNAs: Specificities of Bivalve Mollusks Genomes.** In: Ugarković, Đ. (ed.) *Satellite DNAs in Physiology and Evolution*. Progress in Molecular and Subcellular Biology, Springer, Cham. 60 (2021), 57–83.

Editorials

- Šatović-Vukšić, E.*; Garrido-Ramos, M.A.; Plohl, M. (2026) Special Issue “Repetitive DNA”. *Int. J. Mol. Sci.*, 27, 10: 4402.
- Garrido-Ramos, M.A.; Plohl, M.; Šatović-Vukšić, E.* (2024) Editorial for the Special Issue “Satellite DNA Genomics”. *Genes* 15, 9: 1223.

Educational and Popular Science Publications

- Šatović-Vukšić, E.* and Plohl, M. (2024) **The Secret World of “Jumping” DNA.** *Frontiers for Young Minds*. 12:1279209. doi: 10.3389/frym.2024.1279209
- Šatović-Vukšić, E.* and Plohl, M. (2025) **Mysteries of Repetitive DNA Segments.** *Frontiers for Young Minds*. 13:1560485. doi: 10.3389/frym.2025.1560485

Visiting Scientist at International Institutions

- **July 2026:** Invited visit and lecture at CIBIO (Research Centre in Biodiversity and Genetic Resources)/BIOPOLIS, Vairão Campus, University of Porto, Portugal.
- **November 2022:** Two-week stay at the University of Vigo, Department of Biochemistry, Genetics and Immunology, Population Genetics and Cytogenetics Group, Spain.

- **April 2022:** Two-week stay at the University of Vigo, Department of Biochemistry, Genetics and Immunology, Population Genetics and Cytogenetics Group, Spain.
- **September 2018:** Visit to the Faculty of Pharmacy, University of Barcelona, as a member of the committee for the defense of the doctoral dissertation of Dr. M. Tatarski.
- **June 2017:** Invited seminar to the Chromatin Structure and Function Group at the Institute for Research in Biomedicine (IRB Barcelona) and the Spanish National Research Council (CSIC).

Trainings at International Institutions During Postdoctoral/Doctoral Studies

- Three-month stay at the Biomedical Center of Ludwig-Maximilian University of Munich, Chromatin Dynamics and Nuclear Function Group, Germany (February – May 2017).
- Two-year research stay at the Institute for Research in Biomedicine (IRB Barcelona), Chromatin Structure and Function Group, Cell and Developmental Biology Unit, Spain (December 2014 – December 2016).
- Short research stay at the University of Bologna, Department of Biological, Geological and Environmental Sciences, Laboratory of Molecular Zoology, Italy (February 2010).
- Short research stay at the University of Vigo, Department of Biochemistry, Genetics and Immunology, Population Genetics and Cytogenetics Group, Spain (November 2010).

Invited Talks

- Seminars in Biodiversity & Evolution, CIBIO (Research Centre in Biodiversity and Genetic Resources)/BIOPOLIS, Vairão Campus, University of Porto, Portugal (2026)
- 26th International Colloquium on Animal Cytogenetics and Genomics (ICACG26), Vila Real, Portugal (2026)
- Invited seminar at the Institute for Research in Biomedicine (IRB Barcelona) & Spanish National Research Council (CSIC), Barcelona, Spain (2017)

Editorial Activities for Scientific Journals

- January 2025 – October 2025: Co-founder and Guest Editor of the Special Issue “Repetitive DNA” in the scientific journal *International Journal of Molecular Sciences*
- March 2023 – May 2024: Co-founder and Guest Editor of the Special Issue “Genome Evolution” in *Genes*
- October 2021 – December 2022: Guest Editor of the Special Issue “Satellite DNA Genomics” in *Genes*
- July 2020 – December 2021: Co-founder and Guest Editor of the Special Issue “Repetitive DNA Sequences in Eukaryotic Genomes” in *International Journal of Molecular Sciences*
- Since June 2023: Member of the Topical Advisory Panel of *Genes*
- Since March 2023: Member of the Topical Advisory Panel of *International Journal of Molecular Sciences*

Peer-Review Activities for Scientific Journals

- Biology
- Biology Letters
- Biomedicines
- BMC Biology
- BMC Genomics
- BMC Plant Biology
- Cells
- Chromosome Research
- Current Genetics
- Current Opinion in Insect Science
- DNA Research
- Frontiers in Bioscience-Landmark
- Frontiers in Molecular Biosciences
- Frontiers in Plant Science
- GENE
- Genes
- Genome Biology and Evolution
- Insect Molecular Biology
- Insects
- International Journal of Genomics
- International Journal of Molecular Sciences
- Journal of Marine Science and Engineering
- Life

Awards, Distinctions and Scholarships/Fellowships

2026: Ruđer Bošković Institute Award for an excellent scientific publication

2025: Recipient of a Marie Curie Alumni Association Micro Travel Grant

2025: Recipient of funding under the Open Science Promotion Call (within the Call for Enhancing Scientific Excellence, National Recovery and Resilience Plan 2021–2026) for Publication of Research Data in accordance with FAIR Principles

2024: Recipient of an EMBO Travel Grant

2024: Recipient of a Marie Curie Alumni Association Micro Travel Grant

2024: Publication “Šatović-Vukšić, E.; Plohl, M. Satellite DNAs—From Localized to Highly Dispersed Genome Components. *Genes* 14 (2023), 742.” included in the *Genes* **Editor’s Choice Articles** list for May 2024.

2024: Publication “Oppert, B.; Dossey, A.T.; Chu, F.-C.; Šatović-Vukšić, E.; Plohl, M.; Smith, T.P.L.; Koren, S.; Olmstead, M.L.; Leierer, D.; Ragan, G.; et al. The Genome of the Yellow Mealworm, *Tenebrio molitor*: It’s Bigger Than You Think. *Genes* (2023), 14, 2209” included in the *Genes* **Editor’s Choice Articles** list for October 2024.

2014 - 2017: NEWFELPRO project and fellowship within the **Marie Curie Actions**

2013: Ruđer Bošković Institute Award for an excellent scientific publication

2001 – 2006: Recipient of a State Scholarship of the Republic of Croatia

Participation in Scientific Conference Committees

- Member of the Scientific Committee of the symposium “26th International Colloquium on Animal Cytogenetics and Genomics” (ICACG26), Vila Real, Portugal.
- Member of the Scientific Committee of the international symposium “Environmental Changes, Conservation Biology, and Evolution – ENHANCE 2025,” Polytechnic University of Marche, Italy, online.
- Organizational and logistical support in organizing the international meeting “ESF Exploratory Workshop – Heterochromatin Structure and Function: From Repetitive DNA Sequences to Epigenetics” (2008), Donja Stubica, Croatia.

Knowledge Transfer and Mentoring of Early-Career Researchers

- **Doctoral supervisor and study advisor** to **Patrik Majcen**, (2024 - ongoing). Three joint publications so far.
- **Doctoral supervisor** to **Monika Tunjić Cvitanić**, defended in 2024. Four scientific papers published with the doctoral student on the subject of the doctoral thesis. The doctoral student and I received the IRB Award for an excellent scientific publication.
- **Supervisor of the master’s thesis** of **Andrea Cedilak**, Faculty of Food Technology and Biotechnology (defended January 2019). The results of this master’s thesis were published in co-authorship with the student. The master’s thesis was recognized as excellent by the Faculty of Food Technology and Biotechnology, and the student was selected to present the results at the International Biotechnology Students’ Meeting.
- **Mentor** within the Ministry of Science, Education and Youth programme “Projects and Programmes for Work with Gifted Students in Primary and Secondary Schools in the 2025/2026 School Year.”
- Direct supervisor of visiting doctoral student Jorge Pereira from Portugal during his three-month stay in the Laboratory for Heterochromatin Structure and Function, Division of Molecular Biology (2009).
- Training of doctoral student Ana Babić (Division of Molecular Medicine, IRB) in laboratory methods as part of her laboratory rotations (2008).

Membership in Academic Examination Committees

- Chair of the committee for evaluation and defence of the doctoral dissertation of Katarina Mandić, Postgraduate Interdisciplinary University Study Programme in Molecular Biosciences, Zagreb, September 2026

- Chair of the committee for evaluation of the doctoral thesis topic of Katarina Mandić, Postgraduate Interdisciplinary University Study Programme in Molecular Biosciences, Zagreb, 25 February 2026
- Member of the committee for evaluation of the doctoral thesis topic of Adela Kodrnja, Faculty of Science, Zagreb, 8 May 2024
- Member of the committee for evaluation of the doctoral dissertation of Jacopo Martelossi, Alma Mater Studiorum – Università di Bologna; 29 February 2024
- Member of the committee for evaluation and defence of the MSc thesis of MSc Biotechnology Andrea Cedilak, Faculty of Food Technology and Biotechnology, University of Zagreb, 25 January 2019
- Member of the committee for evaluation and defence of the doctoral dissertation of Dr. Miloš Tatarski, Institute for Research in Biomedicine (IRB Barcelona) defended at the Faculty of Pharmacy, University of Barcelona, 21 September 2018

Courses and Workshops Completed

- EMBL training: **Genomics for Educators and Enthusiasts**, online (2026)
- Marie Curie Alumni Association Learning Program, Coursera course **“Facilitating and Leading Cross-Functional Collaboration”**, online (2026)
- Educational workshop for mentors of interdisciplinary doctoral studies, online (2025)
- Society for Experimental Biology Workshop: **Project Management Essentials for Researchers**, online (2024)
- Marie Curie Alumni Association Learning Program, Coursera course **“Giving Helpful Feedback”**, online (2024)
- Marie Curie Alumni Association Learning Program, Coursera course **“Effective Problem-Solving and Decision-Making”**, online (2024)
- Marie Curie Alumni Association Learning Program, Coursera course **“Leading with Impact: Team Dynamics, Strategy and Ethics”**, online (2024)
- Marie Curie Alumni Association Learning Program, Coursera course **“High-Impact Business Writing”**, online (2024)
- EMBO courses **“Research Integrity: Core”** and **“Research Integrity: Supplementary”**, with completed and certified modules: “Good research conduct; Irresponsible research practices; Planning your research; Managing and recording your research; Data selection, analysis and presentation; Scholarly publication; Professional responsibilities; Communication, social responsibility and impact; Conflicts of interest; Research involving human participants; The care and use of animals in research; Intellectual property; Export controls”, online (2022)
- EMBO workshop **“Research Integrity”**, Ruđer Bošković Institute, Zagreb (2022)
- Participation in an online Educational Workshop for Mentors of the Postgraduate Interdisciplinary University Study Programme **“Nature and Environmental Protection”** (2021)
- **“7th RepeatExplorer Workshop on the Application of Next Generation Sequencing to Repetitive DNA Analysis,”** České Budějovice, Czech Republic (2018)
- EMBO workshop **“Histone Variants,”** Strasbourg, France (2014)

- **“InnoMol Proteomics Workshop,”** Ruđer Bošković Institute, Zagreb (2014)
- Methodological courses in biology and medicine **“Molecular Phylogeny,”** Ruđer Bošković Institute, Zagreb (2011)
- Course **“Introduction to Bioinformatics,”** Faculty of Science, Zagreb (2009)
- **“Heterochromatin Structure and Function: From Repetitive DNA Sequences to Epigenetics, ESF Exploratory Workshop,”** Donja Stubica, Croatia (2008)

Participation in Scientific Conferences

- 2nd International Molluscan Genomics Meeting, Frankfurt, Germany (2026) – oral presentation
- 26th International Colloquium on Animal Cytogenetics and Genomics (ICACG26), Vila Real, Portugal (2026) – invited lecture
- International Littorina Meeting, online (2026) – oral presentation
- EMBO Workshop “The Mobile Genome: Genetic and Physiological Impacts of Transposable Elements,” online (2025)
- Congress of the European Society for Evolutionary Biology (ESEB 2025), Barcelona, Spain (2025) – poster
- Ecology and Evolutionary Biology Symposium EEBST2025, Ankara, Türkiye (2025) – oral presentation
- Symposium “Environmental Changes, Conservation Biology, and Evolution – ENHANCE 2025,” online, organized by the Molecular Phylogenetic Lab, Department of Life and Environmental Sciences, Polytechnic University of Marche, Italy – member of the Scientific Committee, chair
- 10th European Malacological Congress, EUROMAL2024, Heraklion, Greece (2024) – oral presentation
- Ecology and Evolutionary Biology Symposium, EEBST24, Çanakkale, Türkiye (2024) – oral presentation
- Symposium “Environmental Changes, Conservation Biology, and Evolution – ENHANCE 2024,” online, organized by the Molecular Phylogenetic Lab, Department of Life and Environmental Sciences, Polytechnic University of Marche, Italy – oral presentation
- EMBO Workshop “Establishing State-of-the-Art Mollusc Genomics,” Namur, Belgium (2024) – oral presentation
- EMBO Workshop “The Mobile Genome: Genetic and Physiological Impacts of Transposable Elements,” Heidelberg, Germany (2023) – poster
- Congress of the Society for Molecular Biology and Evolution SBE23, Ferrara, Italy (2023) – oral presentation, selected from 1,640 abstracts
- Congress of the Croatian Society of Biochemistry and Molecular Biology HDBMB22 – From Science to Knowledge, Brela, Croatia (2022) – poster
- 23rd International Chromosome Conference (ICC) and the 24th International Colloquium on Animal Cytogenetics and Genomics (ICACG), online (2021)
- Congress of the Croatian Society of Biochemistry and Molecular Biology HDBMB2019 – Crossroads in Life Sciences, Lovran, Croatia (2019) – poster
- Conference “Young Researchers in a Highly Skilled Landscape,” Zagreb (2018)

- “IRB Barcelona BioMed Conference on Multidimensional Genomics: The 3D/4D Organization of Chromatin,” Barcelona, Spain (2017)
- “Chromatin and Epigenetics EMBO Conference,” Heidelberg, Germany (2017) – poster
- “Abcam Meeting Chromatin and Epigenetics: From Mechanism to Function,” Munich, Germany (2017) – poster
- “Epigenomics Conference – Game of Epigenomics,” Dubrovnik, Croatia (2016) – poster
- Symposium “VI Jornada de Cromatina i Epigenètica,” Barcelona, Spain (2016)
- “EpiGeneSys Final Meeting,” Paris, France (2016)
- “Chromatin and Epigenetics EMBO Conference,” Heidelberg, Germany (2015)
- “2nd IRB Barcelona Postdoc Day,” Barcelona, Spain (2015)
- Symposium “V Jornada de Cromatina i Epigenètica,” Barcelona, Spain (2015)
- “EpiGeneSys 4th Annual Meeting,” Barcelona, Spain (2014)
- “18th International Chromosome Conference,” Manchester, UK (2011) – poster
- “6th Congress of the European Malacological Societies,” Vitoria-Gasteiz, Spain (2011) – poster
- PhD Student Symposium “The Architecture of Life,” Barcelona, Spain (2009) – poster
- 10th Croatian Biological Congress, Osijek, Croatia (2009) – poster
- Symposium “EMBO Young Scientists Forum,” Zagreb, Croatia (2009) – poster
- Conference “50 Years of Molecular Biology in Croatia,” Zagreb, Croatia (2008) – poster

Science Communication and Public Outreach

- Hosted Primary School pupils and their biology teacher from Trnovec, Varaždin, as part of the Ministry of Science, Education and Youth programme **“Implementation of Projects and Programmes for Work with Gifted Students in Primary and Secondary Schools in the School Year 2025/2026.”** 6 May 2026.
- Participation in the Ruđer Bošković Institute campaign marking the **International Day of Women and Girls in Science**, February 2026.
- Published an educational popular-science article for younger audiences in an international journal: Šatović-Vukšić, E.* and Plohl, M. (2025) **Mysteries of Repetitive DNA Segments**. *Frontiers for Young Minds*. 13:1560485. doi: 10.3389/frym.2025.1560485
- Guest appearance on the television programme **“Prometej”** on the topic of scientific research, broadcast on HRT 2 on 28 May 2025.
- Guest appearance on the television programme **“Dobro jutro Hrvatska”** on the topic of scientific research related to our Adris Foundation project, 31 March 2025.
- **March 2025:** Communication of scientific research from the Adris Foundation project through a press release published on various web portals (Jutarnji list, tportal, Index, dnevnik.hr, N1, Prigorski.hr, HRT magazin, BNM magazin, eZadar, Karlobag.eu, Zagreb info, Portos, Metro portal, Cro portal, Dubrovački vjesnik, Morski.hr, Slobodna Dalmacija, Hina – Zelena Hrvatska, IRB website, Facebook, Twitter and LinkedIn of the IRB, etc.).
- Participation in an international **Marie Curie Alumni Association** meeting as a member of the discussion **panel**, Varaždin, Croatia, 25 March 2025.

- Hosted Primary School pupils and their biology teacher from Trnovec, Varaždin, as part of the Ministry of Science, Education and Youth programme **“Implementation of Projects and Programmes for Work with Gifted Students in Primary and Secondary Schools in the 2024/2025 School Year.”** 13 March 2025.
- Guest appearance in a television feature as part of the programme **“Svijet znanosti,”** HRT2, 13 November 2024.
- Guest appearance in the television feature **“Studio 4: Znanost”** on the topic of scientific research, broadcast on HRT4 on 5 November 2024.
- Guest appearance on the television programme **“Prometej”** on the topic of scientific research and the results of a published paper, broadcast on HRT 2 on 6 June 2024.
- May 2024: Communication of scientific research and results of the published paper through a press release published by the Ruđer Bošković Institute on the Institute’s website, business and social networks, and through news on various web portals (Jutarnji list, Slobodna Dalmacija, Morski.hr, etc.).
- Published the educational popular-science article for younger audiences in an international journal: Šatović-Vukšić, E.* and Plohl, M. (2024) **The Secret World of “Jumping” DNA.** Frontiers for Young Minds. 12:1279209. doi: 10.3389/frym.2024.1279209
- Guest appearance on the television programme **“Znanstveni krugovi”** on the topic of scientific research, broadcast on HRT1 on 11 February 2020.
- Guest appearance on the radio programme **“Drag mi je Platon”** on the topic of scientific research, broadcast on HRT1 on 22 January 2020.
- January 2020: Communication of scientific research and results of the published paper through a press release published on various web portals (IRB website, tportal.hr, index.hr, dnevnik.hr, vidi.hr, mobilni.info, morski.hr, ekovjesnik.hr, zgkult.eu, Facebook and Twitter of the IRB).
- 2017: Presentation of the NEWFELPRO project “Functional contribution of embryonic histone H1 variant of Drosophila, dBigH1, to germline development” through the booklet **Our Successful Stories**, published by the European Union Seventh Framework Programme (FP7 2007–2013) Marie Curie FP7-PEOPLE-2011-COFUND – NEWFELPRO.
- 2011–2021: Management and editing of the web pages for the Laboratory for Structure and Function of Heterochromatin within the Ruđer Bošković Institute website, aiming to increase the public visibility of scientific information.
- July 2011: Participation in the **science-popularization event** “Scientific Encounters of the Third Kind,” Ruđer Bošković Institute, Zagreb, with a poster presentation: Pezer Ž., Pavlek M., Šatović E. “Digging through Genomic ‘Junk’ – The Role of the Non-Coding Part of the Genome.”
- Several years of participation in the Ruđer Bošković Institute **Open Days** as a guide or a lecturer.

Memberships

- Society for Experimental Biology
- Ecology and Evolutionary Biology Society

- Royal Entomological Society
- Member of the Native Oyster Restoration Alliance (NORA) Expert Database
- Croatian Genetic Society
- Croatian Society of Biochemistry and Molecular Biology
- Member of the Marie Curie Alumni Association (MCAA)