

Dr. sc. Martina Pavlek

CURRICULUM VITAE

PERSONAL INFORMATION

- Date and place of birth: October 6th, 1981, Zagreb, Croatia

EDUCATION

- 2015 April PhD in Molecular biology, thesis title: Mechanisms of satellite DNA sequence dynamics in complex genomes
- 2000. –2006.: Faculty of Science, Zagreb; Graduation thesis: Fuanistic, ecological and biogeografic characteristics of the cave-dwelling spiders of the genus *Troglohyphantes* (Linyphiidae, Araneae) in Croatia

WORKING EXPERIENCE

- 2021. - Research associate at Ruđer Bošković Institut, Zagreb
- 2019. – 2021. Postdoctoral researcher on a „(Epi)genomics and transcriptomics of euchromatic satellite DNAs in embryogenesis and development“ project, Ruđer Bošković Institut, Zagreb
- 2017. - 2019. Postdoctoral researcher on a *HiddenLife* project, Marie Curie Sklodowska Actions Individual Fellowship, University of Barcelona, <https://cordis.europa.eu/project/id/749867>
- 2015. - 2017. Postdoctoral researcher on “Invertebrate centromere genomics” project, Ruđer Bošković Institut, Zagreb
- 2015 June– 2016 September: Principal investigator at the European Social Fond project “Genome evolution of subterranean animals” HR.3.2.01-0015
- 2009- 2015: PhD position at the Croatian Ministry of Science, Education and Sports project “Evolution, properties and functional interactions of satellite DNA sequences”
- 2013-2014: research associate at the Adris Foundation project “Development of DNA markers for identifying commercially important mollusk species *Ruditapes decussatus* in the Adriatic Sea”
- 2014: research associate at the "NatuRegio_Balkans" funded by German Federal Environmental Foundation (DBU) and the Heidehof Foundation
- 2011- 2012: research associate at the "Subterranean conservation of the lost cave systems of the Dinaric Arc" project financed by Whitley Fund for Nature
- 2009: research associate at the "Biodiversity of subterranean fauna of Karlovac County" financed by European Union through PHARE 2006 Program
- 2003-2008: research associate at the "Conservation of *Eunapius subterraneus*, the only subterranean freshwater sponge in the world" project financed by The Rufford Small Grants for Nature Conservation
- 2003-2007: research associate at the "KEC – Karst Ecosystem Conservation Project" project financed by The World Bank

- 2003-2006: research associate at the "Dinaric Alps rare habitats and species conservation project Croatia" project financed by Dutch government through Programme International Nature management (MATRA programme)
- 2000–2010: "Conservation of the Croatian subterranean fauna through inventarisation, mapping, education and popularisation" project financed by Croatian Ministry and State Institute for Nature Protection
- 2003-2020: research associate and spider specialist at more than 30 nationally founded projects on cave habitat and cave fauna exploration and protection

TECHNICAL SKILLS

- molecular lab methods: PCR, Southern blot, Western blot, FISH, PFGE
- hyRAD genome analysis (Hybridization Capture Using RAD Probes)
- analysis of DNA sequences: TRDB, Partition Finder, TNT; IQTree, RAxML, MrBayes, BEAST, species delimitation methods, Illumina sequence analysis
- field work: speleology, cave fauna collection, morphological identification of cave spiders

PUBLICATIONS

19. Stefano Mammola, **Martina Pavlek**, Bernhard Huber, Marco Isaia, Francesco Ballarin, Marco Tolve, Iva Čupić, Thomas Hesselberg, Enrico Lunghi, Samuel Mouron, Caio Graco-Roza, Pedro Cardoso (2022) **A trait database and updated checklist for European subterranean spiders**. Accepted in Scientific Data. (IF 6.01, Five year 9.05)
18. Mammola, Stefano, Malumbres-Olarte, Jagoba, Arabesky, Valeria, Barrales-Alcalá, Diego Alejandro, Barrion-Dupo, Aimee Lynn, Benamú, Marco Antonio, Bird, Tharina L., Bogomolova, Maria, Cardoso, Pedro, Chatzaki, Maria, Cheng, Ren-Chung, Chu, Tien-Ai, Classen-Rodríguez, Leticia M., Čupić, Iva, Dhiya'ulhaq, Naufal Urfi, Picard, André-Philippe Drapeau, El-Hennawy, Hisham K., Elverici, Mert, Fukushima, Caroline S., Ganem, Zeana, Gavish-Regev, Efrat, Gonnye, Naledi T., Hacala, Axel, Haddad, Charles R., Hesselberg, Thomas, Ho, Tammy Ai Tian, Into, Thanakorn, Isaia, Marco, Jayaraman, Dharmaraj, Karuaera, Nanguai, Khalap, Rajashree, Khalap, Kiran, Kim, Dongyoung, Korhonen, Tuuli, Kralj-Fišer, Simona, Land, Heidi, Lin, Shou-Wang, Loboda, Sarah, Lowe, Elizabeth, Lubin, Yael, Martínez, Alejandro, Mbo, Zingisile, Miličić, Marija, Kioko, Grace Mwendu, Nanni, Veronica, Norma-Rashid, Yusoff, Nwankwo, Daniel, Painting, Christina J., Pang, Aleck, Pantini, Paolo, **Pavlek, Martina**, Pearce, Richard, Petcharad, Booppa, Pétilon, Julien, Raberahona, Onjagherizo Christian, Saarinen, Joni A., Segura-Hernández, Laura, Sentenská, Lenka, Uhl, Gabriele, Walker, Leilani, Warui, Charles M., Wiśniewski, Konrad, Zamani, Alireza, Scott, Catherine, Chuang, Angela (2022). **An expert-curated global database of online newspaper articles on spiders and spider bites**. Scientific Data, 9(1), 109. <https://doi.org/10.1038/s41597-022-01197-6> (IF 6.01, Five year 9.05)
17. Stefano Mammola, Melissa B. Meierhofer, Paulo A.V. Borges, Raquel Colado, David C. Culver, Louis Deharveng, Teo Delić, Tiziana Di Lorenzo, Tvrtko Dražina, Rodrigo L. Ferreira, Barbara Fiasca, Cene Fišer, Diana M. P. Galassi, Laura Garzoli, Vasilis Gerovasileiou, Christian Griebler, Stuart Halse, Francis G. Howarth, Marco Isaia, Joseph S. Johnson, Ana Komerički, Alejandro Martínez, Filippo Milano, Oana T. Moldovan, Veronica Nanni, Giuseppe Nicolosi, Matthew L. Niemiller, Susana Pallarés, **Martina Pavlek**, Elena Piano, Tanja Pipan, David Sanchez-Fernandez, Andrea Santangeli, Susanne I. Schmidt, J. Judson Wynne, Maja Zagmajster, Valerija Zakšek, Pedro Cardoso (2022): **Towards evidence-based conservation of subterranean ecosystems**, Biological Reviews, doi: 10.1111/brv.12851. (IF 2020 12.820, Five Year 14.03; CiteScore 22.4)
16. Formenti G., Theissing K., Fernandes C., Bista I., Bombarely B., Bleidorn B., Ciofi C., Crottini A., Godoy J.A., Höglund J., Malukiewicz J., Mouton A., Oomen R.A., Paez S.,

Palsbøll P.J., Pampoulie C., Ruiz-López M. J., Svardal H., Theofanopoulou C., de Vries J., Waldvogel A.M., Zhang G., Mazzoni C.J., Jarvis J.E., Bálint M., and The European Reference Genome Atlas (ERGA) Consortium (Pavlek, M) (2022): **The era of reference genomes in conservation genomics**. Trends in Ecology and Evolution, 37(3), 197-202. (IF 2020 17.712, Five Year 20.694; CiteScore 22.3)

15. Huber, B. A., Pavlek, M., & Komnenov, M. (2021). **Revision of the spider genus *Stygopholcus* (Araneae, Pholcidae), endemic to the Balkan Peninsula**. European Journal of Taxonomy, 752(1), 1–60. <https://doi.org/10.5852/ejt.2021.752.1391>
14. Pavlek, M.** & Mammola, S. (2020) **Niche-Based Processes Explaining the Distributions of Closely Related Subterranean Spiders**. Journal of Biogeography, 48(1), 118–133.
13. Vojvoda Zeljko, T., Pavlek, M., Meštrović, N., Plohl, M. (2020) **Satellite DNA-like repeats are dispersed throughout the genome of the Pacific oyster *Crassostrea gigas* carried by Helentron non-autonomous mobile elements**. Scientific Reports, 10(1), 15107.
12. Platania, L.*, Pavlek, M.*, Arnedo, M. (2020) **Testing the monophyly of the ground-dweller spider genus *Harpactea* Bristowe, 1939 (Araneae, Dysderidae) with the description of three new species**. Systematics and Biodiversity, 18(7), 688-707. doi: 10.1080/14772000.2020.1776786
11. Lukić, M., Delić, T., Pavlek, M., Deharveng, L., Zagmajster, M. (2019) **Distribution pattern and radiation of the European subterranean genus *Verhoeffiella* (Collembola, Entomobryidae)**. Zoologica Scripta, 49(1), doi 10.1111/zsc.12392
10. Mammola, S., Cardoso, P., Angyal, D., Balázs, G., Blick, T., Brustel, H., Carter, J., Čurčić, S., Danflous, S., Dányi, D., Déjean, S., Deltshv, C., Elverici, M., Fernández, J., Gasparo, F., Komnenov, K., Komposch, C., Kováč, L., Boğaç Kunt, K., Mock, M., Moldovan, O. T., Naumova, N., Pavlek, M., Prieto, C. E., Ribera, C., Rozwałka, R., Růžička, V., Vargovitsh, R. S., Zaenker, S., Isaia, M. (2019) **Local versus broad scale environmental drivers of continental beta diversity patterns in subterranean spider communities across Europe**. Proc. R. Soc. B 286: 20191579. doi: 10.1098/rspb.2019.1579
9. Mammola, S., Cardoso, P., Angyal, D., Balazs, G., Blick, T., Brustel, H., Carter, J., Curcic, S., Danflous, S., Danyi, L., Dejean, S., Deltshv, C., Elverici, M., Fernandez, J., Gasparo, F., Komnenov, M., Komposch, C., Kovac, L., Kunt, KB., Mock, A., Moldovan, O., Naumova, M., Pavlek, M., Prieto, CE., Ribera, C., Rozwalka, R., Ruzicka, V., Vargovitsh, RS., Zaenker, S., Isaia, M. (2019) **Continental data on cave-dwelling spider communities across Europe**. Biodiversity Data Journal, 7, art. no. e38492
8. Mammola, S., Cardoso, P., Culver, D.C., Deharveng, L., Ferreira, R.L., Fišer, C., Galassi, D.M.P., Griebler, C., Halse, S., Humphreys, W.F., Isaia, M., Malard, F., Martinez, A., Moldovan, O.T., Niemiller, M.L., Pavlek, M., Reboleira, A.S.P.S., Souza-Silva, M., Teeling, E.C., Wynne, J.J., Zagmajster, M. (2019) **Scientists' warning on the conservation of subterranean ecosystems**. BioScience, 69 (8), 641-650.
7. Mammola, S., Cardoso, P., Ribera, C., Pavlek, M., Isaia, M. (2018) **A synthesis on cave-dwelling spiders in Europe**. Journal of Zoological Systematics and Evolutionary Research 56(3), 301-316.

6. Pavlek, M.**, Ribera, C. (2017) ***Kryptonesticus deelemana* gen. et sp. nov. (Araneae, Nesticidae), with notes on the mediterranean cave species.** European Journal of Taxonomy, 262, 1-27.
5. Andersen, T., Baranov, V., Hagenlund, K. L., Ivković, M., Kvifte, G. N., Pavlek, M. (2016) **Blind flight? A new troglolithic orthoclad (Diptera, 4 Chironomidae) from the Lukina jama – Trojama cave in Croatia.** PlosONE. 11(4), e0152884.
4. Meštrović, N., Mravinac, B., Pavlek, M., Vojvoda-Zeljko, T., Šatović, E., Plohl, M. (2015) **Structural and functional liaisons between transposable elements and satellite DNAs.** Chromosome Res., 23(3), 583-596, review. DOI 10.1007/s10577-015-9483-7
3. Pavlek, M., Gelfand, Y., Plohl, M., Meštrović, N. (2015) **Genome-wide analysis of tandem repeats in *Tribolium castaneum* genome reveals abundant and highly dynamic tandem repeat families with satellite DNA features in euchromatic chromosomal arms.** DNA Research, 22(6), 387-401. doi: 10.1093/dnares/dsv021
2. Meštrović, N.*, Pavlek, M. *, Car, A., Castagnone-Sereno, P., Abad, P., Plohl, M. (2013) **Conserved DNA Motifs, Including the CENP-B Box-like, Are Possible Promoters of Satellite DNA Array Rearrangements in Nematodes.** PLoS ONE. 8(6): e6732.
1. Pavlek, M. **, Ozimec, R. (2009) **New cave-dwelling species of genus *Troglohyphantes* (Araneae, Linyphiidae) for Croatian fauna.** *Natura Croatica* 18(1), 29-37.

*equal contribution

**corresponding author

BOOKS AND MONOGRAPHS

- Jalžić B, Čuković Malenica T, Mihoci T, Bedek B, Bilandžija B, Bregović B, Dražina T, Jalžić V, Pavlek M, et al (2021) **Caves of the island of Mljet in pictures and words.** Zagreb: Public Institution of National Park Mljet and Croatian Biospeleological Society.
- Jalžić, Branko; Bedek, Jana; Bilandžija, Helena; Bregović, Petra; Cvitanović, Hrvoje; Čuković, Tamara; Čukušić, Anđela; Dražina, Tvrtko; Đud, Lana; Gottstein, Sanja; Hmura, Dajana; Kljaković-Gašpić, Fanica; Komerički, Ana; Kutleša, Petra; Lukić, Marko; Malenica, Marta; Miculinić, Kazimir; Ozimec, Roman; **Pavlek, Martina**; Raguž, Nikolina; Slapnik, Rajko; Štamol, Vesna. 2013: **The Cave Type Localities Atlas of Croatian Fauna, volume 2.** Croatian Biospeleological Society, Zagreb, pp 238, **editor**
- Marguš M., Bedek J., Dražina, T., Gracin J., Jalžić B., Komerički A., Lukić M., Margu, D., Miculinić K., Mihelčić G., Ozimec R., Pavlek M., 2013: **Speleološki vodič Nacionalnog parka Krka.** Šibenik, JU NP Krka.
- Marguš, Drago; Barišić, Teo; Bedek, Jana; Dražina, Tvrtko; Gracin, Joso; Hamidović, Daniela; Jalžić, Branko; Komerički, Ana; Lukić, Marko; Marguš, Marija; Menđušić, M.; Miculinić, Kazimir; Mihelčić, G.; Ozimec, Roman; **Pavlek, Martina.** 2012: **Secrets of the Underworld.** Šibenik, pp 238.
- Jalžić B., Bedek J., Bilandžija H., Cvitanović H., Dražina T., Gottstein S., Kljaković Gašpić F., Lukić M., Ozimec R., **Pavlek M.**, Slapnik R., Štamol V. (2010): **The Cave Type Localities Atlas of Croatian Fauna, volume 1.** Croatian Biospeleological Society, State Institute for Nature Protection, Zagreb, pp. 261, **editor.**

- Ozimec R, Bedek J, Gottstein S, Jalžić B, Slapnik R, Štamol V, Bilandžija H, Dražina T, Kletečki E, Komerički A, Lukić M, **Pavlek M** (2009): **The Red Book of Cave Fauna of Croatia**. Ministry of Culture, State Institute for Nature Protection, Zagreb, pp. 371.
- Bedek J, Bilandžija H, Hamidović D, Cvitanović H, Dražina T, Jalžić B, Jalžić V, Kovač Konrad P, Lukić M, Miculinić K, Ozimec R, **Pavlek M** (2009) **Svijet ispod svijeta Bioraznolikost špiljske faune Ogulina i Kamanja – podzemna baština od svjetske važnosti u Karlovačkoj županiji**. Croatian Biospeleological Society, Zagreb, pp 79.

OTHER PUBLICATIONS:

-
- Pavlek 2021: **From the first cave spider to the present—170 years of research on Dysderidae spider family in the Dinarides**. *Subterranea Croatica*, 19 (30) 65-73.
 - Dražina, T., Dujmović, L., Bedek, J., Bregović, P., Cindrić, K., Kauf, L., Kultureša, P., Mišerić, I., Novina, P., Ozimec, R., Pavlek, M., Petrović, M. & T. Rožman, 2019: **Biospeleological and speleological investigation of Dugi otok**. In: Hocenski, K., Mišerić, I. (eds.), *A Collection of scientific studies of the Educational and research project "Insula Tilagus 2017."*. BIUS, Zagreb, 76-91.
 - Cindrić, K., Bedek, J., Bregović, P., Crnčan, P., Dražina, T., Pavlek, M. (2017) **Izveštaj biospeleološke sekcije o sudjelovanju na istraživačko-edukacijskom projektu „Grabovača 2014“**. In: Grozić, D., Kuharić, N. (eds.) *Zbornik istraživačkih radova Udruge studenata biologije – "BIUS" Pećinski park Grabovača 2014*, BIUS, Zagreb, 46-57.
 - Bregović, P., Antonović, I., Čuković, T., Čukušić, A., Dražina, T., Đud, L., Hmura, D., Komerički, A., Kutleša, P., Malenica, M., Patarčić, I., Pavlek, M., Raguž, N., Šimičev, A., Škuljević, P. & B. Jalžić, 2013: **Biospeleological investigations in the area of river Zrmanja and south-east Velebit**. In: Basrek, L., Đud, L. (eds.), *Proceedings of a project "Exploring biodiversity in area of river Zrmanja 2010"*. BIUS, Zagreb, 16-41.
 - Miculinić, Kazimir; Bilandžija, Helena; Cvitanović, Hrvoje; Jalžić, Branko; Jalžić, Vedran; Lukić, Marko; Pavlek, Martina. **The Speleological Structures of the Island of Mljet**. *Proceedings of the Symposium Branimir Gušić Days, Mljet 2010*, pp. 259–270.
 - Ozimec R, Lukić M, Bregović P, Bedek J, Dražina T, Pavlek M (2008) **Biospeleološka istraživanja Parka prirode Lastovsko otočje**. U: Prvan M, Čavrak V (eds.): *Zbornik radova Interdisciplinarnog istraživačkog projekta Lastovsko otočje*, BIUS, Zagreb, 52–65
 - Jalžić B, Ozimec R, Bedek J, Hamidović D, Slapnik R, Franičević M, Lukić M, Bilandžija H, Pavlek M (2007): **Cave fauna of National Park Krka**. *Zbornik radova sa Simpozija Rijeka Krka i Nacionalni park "Krka", prirodna i kulturna baština, zaštita i održivi razvitak*, NP Krka, Šibenik, 491-506.
 - Bregović, Petra; Rožman, Tin; Bedek, Jana; Dražina, Tvtrko; Jalžić, Branko; Komerički, Ana; Lukić, Marko; Pavlek, Martina. **Biospeleological investigations of the caves and pits of the Northern Velebit National Park**. *Senjski zbornik*, 2019, 46, 37-60.
 - Pavlek, Martina; Bregović, Petra; Delić, Teo; Bedek, Jana. **Biospeleology of Šverda region**. U: Cvitanović H. (ur.) *Šverda - Speleološka istraživanja zaleđa izvora Rječine*. *Subterranea Croatica*, Vol. 16 No. supplementum 2, 2018.
 - Dražina T., Pavlek M., Cindrić K., Bedek J., Jalžić B., 2018: **Speleološka i biospeleološka istraživanja otoka Šolte**. *Speleolog* 66: 48-59.
 - Čuček M., Belak F., Pavlek M., Dražina T., 2018: **Mali Šibenik - veliko bogatstvo podzemlja**. *Subterranea Croatica* 25: 25-35.
 - Pavlek, M. 2016: **Špiljska Hajdi (*Troglocadius hajdi*) – prvi leteći troglobiont na svijetu**. *Subterranea Croatica* 21: 58-61.

- Čuković T., Jalžić B., Bedek J., Komerički A., Bilandžija H., Dražina T., Pavlek M., Lukić M., Miculinić K. i Ozimec R., 2014: **Biospeleološka istraživanja na ekspediciji Lukina jama-sifon 2013**. *Subterranea Croatica* 16: 13-15.
- Lukić, Marko; Rubinić, Andrija; Ozimec, Roman; Kukuljan, Lovel; Pavlek, Martina; Bedek, Jana; Jalžić, Branko; Dražina, Tvrtko; Komerički, Ana (2011): **Speleološka i biospeleološka istraživanja u razdoblju od 2009–2011. godine na području Općine Kostrena**. In: Vranić S (ed.) *Život, kultura i povijest Kostrene. Zbornik Katedre čakavskog sabora Kostrena*, Knjiga IV, Kostrena, 9–38.
- Ozimec, R., Jalžić, B., Bedek, J., Dražina, T., Lukić, M., & Pavlek, M. (2010). **Biospeleologija špilje Vrelo**. *Speleolog*, 58, 26–28.
- Ozimec R, Pavlek M (2005): **Novija speleološka i biospeleološka istraživanja otoka Korčule i otoka Badije**. *Godišnjak grada Korčule*, 10, 329-345.

PARTICIPATION IN INTERNATIONAL CONFERENCES

- Pavlek, Martina; Adrian, Silvia; Gasparo, Fulvio; Arnedo, Miquel (2019): The story of Dinaric cave-dwelling dysderid spiders. 2nd Dinaric Symposium on Subterranean Biology, Postojna, Slovenia. p. 47. oral presentation
- Lukić, Marko; Delić, Teo; Pavlek, Martina; Deharveng, Louis; Zagnajster, Maja (2019): Molecular phylogeny of the subterranean genus *Verhoeffiella* (Collembola, Entomobryidae). 2nd Dinaric Symposium on Subterranean Biology, Postojna, Slovenia. p. 42. oral presentation
- Dražina, Tvrtko; Miculinić, Kazimir; Komerički, Ana; Bedek, Jana; Bregović, Petra; Jalžić, Branko; Kutleša, Petra; Lukić, Marko; Pavlek, Martina; Kuharić, Nikolina; Rožman, Tin (2019): Monitoring of cave habitats and fauna: a case study from Croatia. 2nd Dinaric Symposium on Subterranean Biology, Postojna, Slovenia. p. 28. oral presentation
- Čuček, Marija; Belak, Filip; Pavlek, Martina; Dražina, Tvrtko (2019): Mali Šibenik - great wonders of the underground. 2nd Dinaric Symposium on Subterranean Biology, Postojna, Slovenia. p. 25. poster presentation
- Čuković Malenica, Tamara; Kutleša, Petra; Bedek, Jana; Bregović, Petra; Dražina, Tvrtko; Lukić, Marko; Pavlek, Martina; Rožman, Tin (2019): Biospeleological research in the Kornati National Park. 2nd Dinaric Symposium on Subterranean Biology, Postojna, Slovenia. p. 26. poster presentation
- Pavlek, Martina; Adrian, Silvia; Gasparo, Fulvio; Arnedo, Miquel (2019): Enlightening the dark: A phylogenetic framework for Dinaric cave-dwelling dysderid spiders. 21st International Congress of Arachnology, Canterbury, New Zealand. p. 66. oral presentation
- Pavlek, Martina; Adrian, Silvia; Gasparo, Fulvio; Arnedo, Miquel (2019): Dinaric karst subterranean diversity: old relicts in a highly dynamic environment. 9th Biennial Conference of The International Biogeography Society, Malaga, Spain. p. 139-140. poster presentation
- Adrian, Silvia; Pavlek, Martina; Arnedo, Miquel (2018): A spider odyssey: systematics and evolutionary history of the family Dysderidae. XXXVII Annual Meeting of the Willi Hennig Society, Barcelona, Spain. p. 6. poster presentation
- Miculinić, Kazimir; Komerički, Ana; Bedek, Jana; Bregović, Petra; Dražina, Tvrtko; Jalžić, Branko; Kutleša, Petra; Lukić, Marko; Pavlek, Martina (2018): Establishing the monitoring of cave invertebrate fauna and habitats in Croatia. 24th International Conference on Subterranean Biology, Aveiro, Portugal. p. 67. oral presentation
- Pavlek, Martina; Sudar, Vedran; Kuharić, Nikolina; Bregović, Petra; Kirin, Alen (2018): 1st Croatian Biospeleological expedition – Biokovo 2017. 24th International Conference on

Subterranean Biology, Aveiro, Portugal. ARPHA Conference Abstracts 1: e29976. doi: 10.3897/aca.1.e29976. poster presentation

- Pavlek, Martina; Arnedo, Miquel; Gasparo, Fulvio; Adrian, Silvia (2018): Unraveling the evolutionary history of the cave-dwelling Dysderidae in the Dinarides. 24th International Conference on Subterranean Biology, Aveiro, Portugal. ARPHA Conference Abstracts 1: e29975. doi: 10.3897/aca.1.e29975. oral presentation
- Pavlek, Martina; Adrian, Silvia; Gasparo, Fulvio; Arnedo, Miquel (2018): Tales from the crypt: origins and evolutionary history of the cave-dwelling Dysderidae spiders in the Dinaric karst. 31st European Congress of Arachnology, Vac, Hungary. p. 106. oral presentation
- Pavlek, Martina; Adrian, Silvia; Gasparo, Fulvio; Arnedo, Miquel (2018): A glimpse on the evolutionary history of the cave-dwelling spiders in the Dinaric karst. IV Iberian Congress of Biological Systematics, Palma de Mallorca, Spain. p. 40. oral presentation
- 1st Dinaric Symposium on Subterranean Biology, Zagreb, Croatia (2016). Organization, no presentation
- Pavlek, Martina (2016): Overview of cave spiders in Croatia – 150 years of research. 20th International Congress of Arachnology, Golden, Colorado, USA, p. 149. poster presentation
- Andersen, Trond; Baranov, Viktor; Hagenlund, Linn Katrine; Ivković, Marija; Kvitte, Gunnar Mikalsen; Pavlek, Martina (2016): Flying deeper underground? A new troglobiotic chironomid (Diptera) from the Lukina jama - Trojama cave system in Croatia. 23rd International Conference on Subterranean Biology, Fayetteville, Arkansas, USA, p. 74. poster presentation
- Luka Katušić, Roman Ozimec, Martina Pavlek, Marija Majer, Mihael Drakšić, Anđela Čukušić & Ena Kolundžić (2015): An overview on the Croatian spider fauna. 29th European Congress of Arachnology, Brno, Republika Češka, p. 84. oral presentation
- Katušić L., Ozimec R., Pavlek M., Majer M., Drakšić M., Čukušić A. & Kolundžić E. (2014): A lot or not? A review of 200 years of spider research in Croatia. The 28th European Congress of Arachnology, Torino, Italy, p. 73. poster presentation
- Čukušić A, Pavlek M, Ozimec R (2012): Diversity and distribution of cave dwelling spiders of the families Nesticidae and Agelenidae (Araneae) in Croatia. In: Kováč L, Uhrin M, Mock A, L`uptáček P (eds.): Abstract book 21st International Conference on Subterranean Biology, Košice, Slovakia, p. 39-40. poster presentation
- Bedek J, Lukić M, Jalžić B, Ozimec R, Bilandžija H, Dražina T, Hamidović D, Pavlek M, Patarčić I, Komerički A (2012): Subterranean community from Lukina jama – Trojama cave system, the deepest cave in Dinaric Karst (Northern Velebit Mt., Croatia). In: Kováč L, Uhrin M, Mock A, L`uptáček P (eds.): Abstract book 21st International Conference on Subterranean Biology, Košice, Slovakia, p. 26-27. oral presentation
- Lukić M, Bilandžija H, Bedek J, Jalžić B, Kljaković Gašpić F, Ozimec R, Pavlek M (2012): Dinaric type localities of cave dwelling fauna: research and conservation. In: Kováč L, Uhrin, M, Mock A, L`uptáček P (eds.): Abstract book 21st International Conference on Subterranean Biology, Košice, Slovakia, p. 63-64. oral presentation
- SIEEC2222.- Symposium internationale entomofaunisticum Europae centralis, Varaždin, 2011, oral presentation: M. Pavlek, M. Plohl, N. Meštrović: Highly repeated non-coding DNA in *Tribolium castaneum* (Coleoptera) genome. oral presentation
- Čukušić A, Pavlek M (2011): Faunistics, ecology and biogeography of the cave-dwelling spiders of the families Nesticidae and Agelenidae (Araneae) in Croatia. In: Abstract book: 22. Symposium internationale entomofaunisticum europae centralis xxii. 2011. Varaždin, Hrvatska, p. 52. poster presentation

- Ozimec R, Pavlek M (2011): Špiljski pauci Biokova. U: Protrka K, Škrabić H, Srzić S (ur.) Knjiga sažetaka Znanstveno - stručnog skupa „Biokovo na razmeđi milenija: razvoj parka prirode u 21. stoljeću“. 2011, Makarska, Hrvatska. p. 26-27. oral presentation
- 18th International Chromosome Conference, Manchester, UK, 2011. poster presentation: Pavlek, M., Plohl, M., Mestrovic, N.: Highly repeated non-coding DNA in *Tribolium castaneum* (Coleoptera) genome. poster presentation
- Society for Experimental Biology Annual Main Meeting, 2010: Meštrović, N., Castagnone-Sereno, P., Pavlek, M., Car, A., Plohl, M.: How satellite DNAs in the “library” are created?
- Nemagenics: Exploiting genomics to understand plant-nematode interactions; 2010, poster presentation: Meštrović, N., Castagnone-Sereno, P., Pavlek, M., Car, A., Plohl, M.: Complex organization of satellite DNA library in the root-knot nematodes *Meloidogyne chitwoodi* and *M. fallax*.
- First student Phd symposium “The Architecture of Life”; 2009, poster presentation: Meštrović, N., Pavlek, M., Žižek, M., Plohl, M.: Analysis of satellite DANs in the sequenced genome of *Tribolium castaneum* (Coleoptera)
- 10th Croatian Biological Congress; 2009, poster presentation: Meštrović, N., Pavlek, M., Žižek, M., Plohl, M.: Analysis of satellite DANs in the sequenced genome of *Tribolium castaneum* (Coleoptera)
- Embo young scientists forum; 2009, poster presentation: Meštrović, N., Pavlek, M., Žižek, M., Plohl, M.: Analysis of satellite DANs in the sequenced genome of *Tribolium castaneum* (Coleoptera)
- 50 years of molecular biology in Croatia; 2008, poster presentation: Meštrović, N., Pavlek, M., Žižek, M., Plohl, M.: Analysis of satellite DANs in the sequenced genome of *Tribolium castaneum* (Coleoptera)
- Jalžić B, Ozimec R, Bedek J, Hamidović D, Slapnik R, Franičević M, Lukić M, Bilandžija H, Pavlek M (2005) Špiljska fauna NP Krka. U: Marguš D (ur.) Knjiga sažetaka simpozija Rijeka Krka i Nacionalni park Krka: Prirodna i kulturna baština, zaštita i održivi razvitak, 05. – 08. 10. 2005., 33-34.

INVITED TALKS:

- 2020 Institute of Water Research IRSA, Italian National Research Council, Verbania, Italija: „Old relicts in a dynamic environment - Molecular phylogeny, biogeography and effects of climate change on Dinaric cave-dwelling spiders“

STAYS ABROAD

- 2020 Institute of Water Research IRSA, Italian National Research Council, Verbania, Italy, two weeks
- 2017 - 2019. University of Barcelona, postdoctoral stay, two years, Marie Skłodowska Curie IF scholarship
- 2019 University of Torino, Italy, 10 days
- 2018 - 2019. Natural History Museum, Geneva, Switzerland, three months
- 2016 University of Barcelona, two months
- 2011 INRA Institute Antibes, France, one month

WORKSHOPS

- 2020 Virtual symposium on Phylogenomics and Comparative Genomics
- 2019 Phylogenomics & Population Genomics: Inference & Applications. Barcelona, Spain

- 2018 Data Exploration, Regression, GLM & GAM with introduction to R. Alghero, Italy
- 2018 Workshop on Calibration of Molecular Clocks using the BEAST program (Guy Baele), Barcelona, Spain
- 2014 3rd Workshop on the Application of Next Generation Sequencing to Repetitive DNA Analysis in Plants, České Budějovice, Republika Češka
- 2011 „Molecular phylogeny“, Zagreb
- 2009 Practical course „Introduction to bioinformatics“, Zagreb
- 2008 ESF Exploratory Workshop on Heterochromatin structure and function from repetitive DNA sequences to epigenetics, Donja Stubica

CONFERENCE ORGANIZATION

- 2018 technical support at XXXVII Annual Meeting of the Willi Hennig Society, Barcelona, Spain
- 2016 Organization board of 1st Dinaric Symposium on Subterranean Biology, Zagreb Croatia
- 2006 technical support at 9th Croatian Biological Conference, Rovinj, Croatia

AWARDS

- 2020 *Systematics Research Fund* award by the The Linnean Society & Systematics Association
- 2020 SYNTHESYS+, IL-TAF-8269
- 2017 100 000 MSCA FELLOWS AWARD for the od *HiddenLife* project, European Commission, European Researchers' Night, Brussels
- 2016 Annual prize of *Society of university teachers and the other scientist in Zagreb*

MEMBERSHIPS

- 2021 ERGA (The European Reference Genome Atlas), country council representative
- 2019 Systematics association
- 2019 International Biogeography Society
- 2017 Research Institute of Biodiversity (IRBio - Institut de Recerca de la Biodiversitat), University of Barcelona
- 2017 CAWEB (European cave spiders' network)
- 2016 International Society for Subterranean Biology
- 2015 International Society of Arachnology
- 2014 European Society of Arachnology
- 2012 Croatian Arachnological Society Narcis Damin
- 2003 Croatian Biospeleological Society (member, vice-president)
- 2010 - 2014 Society for Experimental Biology