

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Surname(s) / First name(s)	Pavlek / Martina
Address(es)	Laboratory for structure and function of heterochromatin, Ruđer Bošković Institute, Bijenička 54, 10002 Zagreb
Telephone(s)	+ 385 1 457 1322
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E-mail(s), Web address(s)	martina.pavlek@irb.hr
Nationality(-ies)	Croatian
Date of birth	October 6 th, 1981
Identification number from Records of Scientific Workers	315522

WORK EXPERIENCE

• Dates (from – to)	08. 05. 2009. - present
Name and address of employer	Ruđer Bošković Institute, Bijenička 54, 10000 Zagreb
Type of business or sector	Scientific research
Occupation or position held	Doctoral student, assistant
Main activities and responsibilities	Scientific research in natural science: biology; molecular biology; molecular genetics; structure, organization, function and evolution of repetitive sequences

EDUCATION

Date	2010. - present
Place of education	Zagreb
Name and type of organisation providing education	Ph.D. studies in Molecular Biosciences (University of Osijek, University of Dubrovnik and Ruđer Boskovic Institute)
Title or qualification awarded	
Date	2000-2006
Place of education	Zagreb
Name and type of organisation providing education	Faculty of Science, University of Zagreb
Title or qualification awarded	B.Sc., ecology

**PERSONAL SKILLS AND
COMPETENCIES**

Mother tongue

Croatian

Other language(s)
Self-assessment
European level ^(*)

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	

English
German

C2	C2	C1	C1	C1
A2	B2	A2	A1	A2

^(*) Common European Framework of Reference (CEF) level

PARTICIPATION IN SCIENTIFIC AND SPECIALIZED PROJECTS	<p>2003 – 2010. participant in the projects:</p> <p>"Biodiversity of subterranean fauna of Karlovac County" financed by European Union through PHARE 2006 Program, 2009.</p> <p>"Conservation of <i>Eunapius subterraneus</i>, the only subterranean freshwater sponge in the world", 2003-2008.</p> <p>"KEC – Karst Ecosystem Conservation Project", 2003-2007.</p> <p>"Dinaric Alps rare habitats and species conservation project Croatia", 2003-2006.</p> <p>"Conservation of the Croatian subterranean fauna through inventarisation, mapping, education and popularisation", 2000. – 2010.</p> <p>"Biospeleological exploration in the National Park Krka"</p> <p>"Speleological and Biospeleological exploration in the Nature Park Papuk"</p> <p>"Inventarization of caves and springs of Nature Park Žumberak - Samoborsko gorje"</p> <p>"Ecological valorization of protected speleological objects in the county of town Dubrovnik"</p> <p>"Ecological analizis and inventarization of fauna of Đurovića cave, Močići, Konavle with analizis of potential endangerment"</p> <p>"Ecological analizis and inventarization of fauna in natural speleological objecats in Nature Park Medvednica"</p>
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PARTICIPATION IN SCIENTIFIC MEETINGS	<p>2011. 18th International Chromosome Conference; Manchester, UK, poster presentation: Pavlek, M., Plohl, M., Meštrović, N.: Highly repeated non-coding DNA in <i>Tribolium castaneum</i> (Coleoptera) genome</p> <p>2011. 22. SIEEC - SYMPOSIUM INTERNATIONALE ENTOMOFAUNISTICUM EUROPAE CENTRALIS XXII; Varaždin, Croatia, oral presentation: Pavlek, M., Plohl, M., Meštrović, N.: Highly repeated non-coding DNA in <i>Tribolium castaneum</i> (Coleoptera) genome</p> <p>2010. Society for Experimental Biology Annual Main Meeting; oral presentation: Meštrović, N., Castagnone-Sereno, P., Pavlek, M., Car, A., Plohl, M.: How satellite DNAs in the "library" are created?</p> <p>2010. NemaGenics: Exploiting genomics to understand plant-nematode interactions; Prag, poster presentation: Meštrović, N., Castagnone-Sereno, P., Pavlek, M., Car, A., Plohl, M.: Complex organization of satellite DNA library in the root-knot nematodes <i>Meloidogyne chitwoodi</i> and <i>M. fallax</i>.</p> <p>2009. First student Phd symposium "The Architecture of Life", Barcelona; poster presentation: Meštrović, N., Pavlek, M., Žižek, M., Plohl, M.: Analysis of satellite DANs in the sequenced genome of <i>Tribolium castaneum</i> (Coleoptera)</p> <p>2009. 10th Croatian Biological Congress; poster presentation: Meštrović, N., Pavlek, M., Žižek, M., Plohl, M.: Analysis of satellite DANs in the sequenced genome of <i>Tribolium castaneum</i> (Coleoptera)</p> <p>2009. Embo young scientists forum; poster presentation: Meštrović, N., Pavlek, M., Žižek, M., Plohl, M.: Analysis of satellite DANs in the sequenced genome of <i>Tribolium castaneum</i> (Coleoptera)</p> <p>2008. 50 years of molecular biology in Croatia; poster presentation: Meštrović, N., Pavlek, M., Žižek, M., Plohl, M.: Analysis of satellite DANs in the sequenced genome of <i>Tribolium castaneum</i> (Coleoptera)</p> <p>2008. participant on ESF Exploratory Workshop on Heterochromatin structure and function from repetitive DNA sequences to epigenetics</p> <p>2006. 9th Croatian Biological Congress, Rovinj - member of the Technical support team</p> <p>2005. Symposium River Krka and National Park Krka: Natural and cultural heritage, protection and sustainable development; oral presentation: B. Jalžić, R. Ozimec, J. Bedek, D. Hamidović, R. Slapnik, M. Franičević, M. Lukić, H. Bilandžija, M. Pavlek: Cave fauna of NP Krka</p> <p>2003. 8th Croatian Biological Congress, Zagreb - member of the Technical support team</p>
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TECHNICAL SKILLS AND COMPETENCIES	<p>Nucleic acids characterization; electrophoretic techniques (PFGE); hybridization techniques (Southern), molecular cloning, library screening, PCR techniques, molecular cytogenetic techniques (multicolored FISH, PRINS), computer analyses of DNA sequences (phylogenetic analyses, structure predictions, sequence assembly)</p> <p>2009. Introduction to bioinformatics - Practical course</p> <p>Expierence in field work, specially in research of caves and underground fauna, specialist for</p>
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cave spiders taxonomy

PUBLICATIONS

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. Zagreb: The Croatian Biospeleological Society, The State Institute for Nature Protection.

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: Red book of cave fauna of Croatia. Zagreb: Ministry of Culture of the Republic of Croatia, The State Institute for Nature Protection.

Pavlek, M. *et* Ozimec, R. 2009: New cave-dwelling species of genus *Traglohyphantes* (Araneae, Linyphiidae) for Croatian fauna. *Natura Croatica* 18 (1), 29-37.

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: Exhibition Catalogue World Under World: Cave Fauna Biodiversity in Ogulin and Kamanje –Globally Important Subterranean Heritage Hidden in Karlovac County.

Jalžić, B., Ozimec, R., Bedek, J., Hamidović, D., Slapnik, R., Franičević, M., Lukić, M., Bilandžija, H. *et* Pavlek, M., 2007: Cave fauna of Krka National park. *Zbornik Symposium River Krka and National Park Krka*.

CURRENT RESEARCH INTEREST

Mapping and analyzes of satellite DNAs in *Tribolium castaneum* (Coleoptera, Tenebrionidae) and root-knot nematodes of the genus *Meloidogine* (Nematode)

MEMBERSHIP IN SOCIETIES

2010 on The Society for Experimental Biology
2003 on Croatian Biospeleological Society
2003 on Croatian Mountaineering Society "Željezničar", Department of Speleology
2003 on Croatian Herpetological Society

DRIVING LICENCE(S)

B category

SIGNATURE