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EDUCATION AND RESEARCH

- 2009 – present Post-doctoral researcher, INSERM, Paris, France, with Dr. François Taddei
- 2006 – 2009 Post-doctoral researcher, ETH Zurich, Switzerland, with Dr. Sebastian Bonhoeffer
- 2000 – 2006 Ph.D. in Zoology, concentration in Ecology, Evolutionary Biology and Behavior (EEBB), GPA 4.0/4.0, advisors Dr. Richard Lenski and Dr. Charles Ofria, Michigan State University (MSU), East Lansing MI, USA
- 1995 – 1998 Dual Bachelor of Science degree in Mathematics and Biology, California Institute of Technology (Caltech), Pasadena, CA, USA,
- 1994 – 1995 Bennington College, Bennington, VT, USA
- 1994 – 1995 College of Mathematics, Belgrade University, Belgrade, Yugoslavia
- 1990 – 1994 Mathematical Gymnasium (High School), Belgrade, Yugoslavia

PUBLICATIONS

- 2011 Misevic D., C. Ofria, R. E. Lenski. 2011. Digital sex: causes and consequences. Pp 532-533 (mini review) In Tom Lenaerts, Mario Giacobini, Hugues Bersini, Paul Bourguine, Marco Dorigo and René Doursat eds. *Advances in Artificial Life, ECAL 2011: Proceedings of the Eleventh European Conference on the Synthesis and Simulation of Living Systems*. MIT Press, Cambridge, Massachusetts.
- 2010 Misevic, D., Ofria, C. & Lenski, R. E. Experiments with digital organisms on the origin and maintenance of sex in changing environments. *Journal of Heredity*, 101 (Supplement 1) S46-S54
- 2009 Misevic, D., Kouyos, R., Bonhoeffer, S. Predicting evolution of sex on complex fitness landscapes. *PLoS Computational Biology*, 4(9):e1000510
- 2008 Clune J., Misevic D., Ofria C., Lenski R. E., Elena S. F., Sanjuán R. Evolution fails to optimize mutation rates for long-term adaptation on rugged fitness landscapes. *PLoS Computational Biology*, 4(9), e1000187.
- 2006 Misevic, D., Ofria, C. & Lenski, R. E. Evolution of genetic architecture in sexual and asexual digital organisms. *Proceedings of the Royal Society London, Series B*. 273, 457-464.
- 2004 Misevic, D., Ofria, C. & Lenski, R. E. Sexual reproduction and Muller's ratchet in digital organisms. p. 340-345 in J. Pollack, M. Bedau, P. Husbands, T. Ikegami, and R. A. Watson, eds. *Artificial Life IX: Proceedings of the Ninth International Conference on the Simulation and Synthesis of Living Systems*. MIT Press, Cambridge, Massachusetts.
- (in preparation) Misevic, D., Ofria, C. & Lenski, R. E. The roles of natural selection and genetic drift in speciation of digital organisms

SELECTED PRESENTATIONS

- 2011 **Digital sex in changing environments**
ECAL 2011, Paris, France
- 2010 **LabSurfing: New platform for exchange of scientific resources**
WISER-U (World-wide interaction for science education and research in university) Summer,
Beijing, China
Death of cooperation
AXA-Paris Descartes Chair on Longevity meeting, Newcastle, UK
Digital approaches to evolution
École normale supérieure, Paris, France
- 2009 **Sex and evolution: the how and the why**
Science Festival, Belgrade, Serbia
Cooperation and recombination
European Society for Evolutionary Biology, Turin, Italy
Predicting evolution of sex on complex fitness landscapes
Evolution of Sex & Recombination: In Theory & in Practice, Iowa City, IA, USA
- 2008 **Studying the evolution of sex in complex systems**
Institute for Complex Systems, Paris, France
Evolution of sex: causes and consequences
TaMaRa seminar, University Paris Renes Descartes, France
Sex as information transfer
Center for Research and Interdisciplinarity, Paris, France
- 2007 **Epistatic interactions in populations of digital organisms**
Biology without Borders Conference, Trento, Italy
Measuring epistasis: population v. physiological approach
Plant Sciences Institute Symposium, Iowa State University, Ames, IA, USA
- 2006 **Digital sex: causes and consequences of recombination**
EEBB seminar, Michigan State University
Sex, modularity and robustness in digital organisms
DARPA Fitness Landscapes Workshop, Berkeley, CA, USA
- 2004 **Modularity and epistasis**
Experimental Evolution Workshop, Friburg, Switzerland
Evolution of sex – answers from digital evolution
Guest lecture, CSE 491 Selected topics in Computer Science: Digital Evolution and
Biocomplexity, Michigan State University
Genetic architecture in sexual and asexual digital organisms
Evolution Conference, Fort Collins, CO, USA
- 2003 **Evolution of sex in digital organisms**
Sexual Selection, Speciation, and Evolution of Sex Conference, Leiden, Netherlands
Experimental evolution with digital organisms
Invited seminar, University of Belgrade, Belgrade, Yugoslavia
- 2001 **Evolution of mutation rates**
Microbial Population Biology Gordon Conference, Williams College, Williamstown, MA, USA

LANGUAGES, COMPUTER SKILLS

Serbian, English (bi-lingual), working knowledge French, basic Russian
C/C++, Python, HTML, LaTeX, Matlab, Mathematica, R, Flash

TEACHING AND WORK EXPERIENCE

2011 – present	Teacher for undergraduate <i>Scientific methodology</i> course Center for Research and Interdisciplinarity, Paris, France
2009 – present	Teacher for Master's <i>Biology Refresher</i> course Center for Research and Interdisciplinarity, Paris, France
2007	Teaching assistant for 701-1418-00L <i>Modeling in Population and Evolutionary Biology</i> ETH Zurich, Zurich, Switzerland
2002	Teaching assistant for BS 110 <i>Organisms and Populations</i> Michigan State University, East Lansing, MI, USA
2001	Teaching assistant for ZOL 343 <i>Advanced Genetics Laboratory</i> Michigan State University, East Lansing, MI, USA
1998 – 2000	System administrator, Information Technology Services Computation and Neural Systems Department, Caltech, Pasadena, CA, USA
1992 – 1994	Teaching assistant, coordinator, student project supervisors Seminars in Mathematics, Computer science, Psychology Petnica Science Center, Petnica, Serbia

GRANTS AND FUNDING

2011-2015	COOPINFO – Experimental evolution of cooperation and information exchange The French National Research Agency (ANR) 580,000€
2005	Graduate Fellowship from MSU Ecology, Evolutionary Biology and Behavior Program
2001	Graduate Fellowship from MSU Center for Biological Modeling

HONORS AND AWARDS

2010	Best group collaboration and audience award, ConSol project at WISER-U Summer Conference
2008	Research featured on the cover page of PLoS Computational Biology
2005	Research featured in the <i>Discover</i> magazine cover story, Zimmer, C. “Testing Darwin”
2005	MSU Ecology, Evolutionary Biology and Behavior Program Student Speaker Award, opportunity to present research at the program's invited speaker seminar series
2004	Best paper award at the Artificial Life IX conference in Boston
2004	Invitation to publish in a special issue of <i>American Midland Naturalist</i> , based on the talk at the Midwestern Ecology and Evolution Conference in South Bend

JOURNALS REVIEWED FOR

Journal of Theoretical Biology, Journal of Heredity, PLoS Computational Biology, PLoS One

SERVICES AND ACTIVITIES

2010 – present	Board member of ConSol, organization for peacebuilding in war-affected, segregated communities using interdisciplinary, non-formal, interactive science education tools
2010 – present	Member of Paris Montagne, association making science research and education more attractive and accessible to high school students

2010 – 2011 Media relations team volunteer for CouchSurfing.org, the world’s largest hospitality network with over two million members; CouchSurfing member since 2006, CouchSurfing ambassador 2007-2009.

2009 – present Student club advisor, Center for Research and Interdisciplinarity, Paris

2005 Zoology Department representative to the MSU Graduate Student Council

2004 – 2006 Vice president, MSU Men’s Glee Club Choir

2003 – 2004 President of MSU Evolutionary Biology, and Behavior Program student colloquium

2003 – 2004 Student representative on the MSU Zoology Department Graduate Committee

1995 – 2006 Participation in performance arts, Caltech Chamber Singers, Theater Arts at Caltech, and MSU Men’s Glee Club

Sports, including downhill skiing, hiking, swimming and extreme sports (bungee jumping, sky diving, hang gliding)

Literature, cinema, traveling and politics