
Dusan Misevic

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Education

Michigan State University (MSU), Ph.D. in Zoology with concentration in Ecology, Evolutionary Biology and Behavior, 2006, grade point average 4.0/4

California Institute of Technology, dual bachelors degree in Mathematics and Biology, 1998

Bennington College, Bennington, VT, 1994-95

College of Mathematics, Belgrade University, Yugoslavia, 1993-94

Honors and Awards

Research featured in the *Discover* magazine cover story, Zimmer, C. Testing Darwin (2/2005)

Best paper award at the Artificial Life IX conference in Boston (9/2004)

MSU Ecology, Evolutionary Biology and Behavior Program Student Speaker Award, opportunity to present at the program's invited speaker seminar series (5/2005)

President of MSU Evolutionary Biology, and Behavior Program student colloquium (9/2003-6/2004)

Invitation to publish in a special issue of *American Midland Naturalist*, based on the talk at the Midwestern Ecology and Evolution Conference in South Bend (3/2004)

Graduate Fellowship from MSU Ecology, Evolutionary Biology and Behavior Program (3/2005, 4/2006)

Graduate Fellowship from MSU Center for Biological Modeling (9/2001)

Languages

Serbian, English, working knowledge of French and Russian

Computer Skills

C/C++, Python, HTML, LaTeX, Matlab, Mathematica, Flash

Selected Presentations

Digital sex: causes and consequences of recombination
EEBB seminar, Michigan State University (2006)

Sex, modularity and robustness in digital organisms
DARPA Workshop on fitness landscapes, Berkeley (2006)

Modularity and epistasis
Experimental Evolution Workshop, Switzerland (2004)

Evolution of sex – answers from digital evolution
Guest lecture, CSE 491 Selected topics in Computer Science: Digital Evolution and Biocomplexity, Michigan State University (2004)

Genetic architecture in sexual and asexual digital organisms
Evolution Conference, Fort Collins, CO (2004)

Evolution of sex in digital organisms
Sexual Selection, Speciation, and Evolution of Sex, Leiden, Netherlands (2003)

Experimental evolution with digital organisms
Invited seminar, University of Belgrade, Yugoslavia (2003)

Publications

Misevic, D., Ofria, C. & Lenski, R. E. 2004. 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.

Misevic, D., Ofria, C. & Lenski, R. E. 2006. Evolution of genetic architecture in sexual and asexual digital organisms. Proceedings of the Royal Society London, Series B. 273, 457-464.

Misevic, D., Ofria, C. & Lenski, R. E. (in preparation) Experiments on the roles of natural selection and genetic drift in speciation of digital organisms

Misevic, D., Ofria, C. & Lenski, R. E. (in preparation) Digital Red Queen: evolution of sex in changing environments

Teaching and Work Experience

Postdoctoral researcher in evolutionary biology
• ETH Zürich (06/06 to present)
• Conducting theoretical and experimental research in evolutionary biology, supervising doctoral and undergraduate students

Teaching Assistant for BS 110, Organisms and Populations
• Michigan State University, MI (09/01 to 12/01)
• Lectured and supervised the lab portion of an introductory biology course, evaluated students' performance

Teaching Assistant for ZOL 343, Genetics Laboratory
• Michigan State University, MI (01/02 to 05/02)
• Lectured and facilitated an introductory *Drosophila* genetics lab

System Administrator, Information Technology Services

- California Institute of Technology, CA (9/98 to 8/00)
- Managed over 20 UNIX computers, installed/maintained software and hardware, set up network, designed web pages

**Service and
Activities**

Zoology Department representative to the MSU Council of Graduate Students (2003-2004)

Student representative on the MSU Zoology Department Graduate Committee (2003-2004)

Vice president, MSU Men's Glee Club Choir (2004-2006)

Participation in performance arts including Caltech Chamber Singers, Theater Arts at Caltech, and MSU Men's Glee Club (1995-2006)

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