DUSAN MISEVIC

Center for Interdisciplinary Research (CRI)
8bis rue Charles V, 75004 Paris, France

http://www.dule.fr
dule@alife.org

EDUCATION AND RESEARCH

2018 – present	Director of Research Affairs, Center for Research and Interdisciplinarity, Paris
2016 – 2018	Assistant Director for Research, Center for Research and Interdisciplinarity, Paris
2015 – 2016	Scientific Coordinator, Frontiers in Life Science bachelor program, University Paris Descartes
2009 – 2014	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

HONORS AND AWARDS

2012	Best paper award, Collective dynamics track, Artificial Life 13 conference in East Lansing, MI
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 *Discover* 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, MA

SELECTED PUBLICATIONS

Dimitriu, T., Misevic, D., Lotton, C., Brown, S. P., Lindner, A. B., Taddei, F. 2016. Indirect fitness benefits enable the spread of host genes promoting costly transfer of beneficial plasmids PLoS Biology 14 (6), e1002478.

Misevic, D., Frenoy, A., Lindner, A. B., Taddei, F. Shape matters: lifecycle of cooperative patches promotes cooperation in bulky populations. 2015. *Evolution* 69(3) 788-802.

Dimitriu, T., Lotton, C., Bénard-Capelle, J., Misevic, D., Brown, S. P., Lindner, A. B., Taddei, F. Genetic information transfer promotes cooperation in bacteria. 2014. *Proceedings of the National Academy of Sciences*. 11(30) 11103–11108.

Frénoy A., Taddei F., Misevic D. Genetic architecture promotes the evolution and maintenance of cooperation. 2013. *PLoS Computational Biology*, 9(11): e1003339.

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

TEACHING EXPERIENCE (457h in total)

Bachelor, practical courses, 132h total
Introduction to biology (72h), Advanced Genetics (36h), Molecular biology (8+16h)

Bachelor, lecture courses, 101h total
Advanced computer science (4h), Modeling in biology (12h), Scientific Methodology (61h), Diversity of life (2x12h)

Master, practical courses, 36h total
Computer science for biology (20h), Molecular Biology (16h)

Master, lecture courses, 188h total
Introduction to biology (90h), Advanced Genetics (36h), Evolution (6h), Scientific Methodology (56h)

GRANTS AND FUNDING

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

SELECTED ORAL PRESENTATIONS

2016 ◆ Joint Congress on Evolutionary Biology (Montailler)

2016 ◆ Le Vivant Autrement, Ecole de Berdere (Paris)

2015 ◆ Ecole de Berdere, (Villers sur Mer, *invited talk*)

2014 ◆ Artificial Life 14 (New York, NY, USA),
◆ Séminaire de la Société Francophone de Biologie Théorique (Saint Flour, *invited talk*)

2013 ◆ European Conference on Artificial Life (Taormina, Italy)
◆ Petnica Science Center (Petnica, Serbia)

2012 ◆ University Pierre and Marie Curie (Paris, France),
◆ Second Symposium of Population and Evolutionary genetics (Belgrade, Serbia)

2011 ◆ European Conference on Artificial Life (Paris, France)

2010 ◆ WISER-U Summer meeting (Beijing, China)

2010 ◆ AXA-Paris Descartes Chair on Longevity meeting (Newcastle, UK)
◆ École Normale Supérieure (Paris, France)

2009 ◆ Science Festival (Belgrade, Serbia)
◆ Evolution of Sex & Recombination (Iowa State University, Ames, IA, USA)

2008 ◆ Institute for Complex Systems (Paris, France)

2007 ◆ Biology without Borders Conference (Trento, Italy)

2006 ◆ EEBB seminar (Michigan State University, East Lansing, MI, USA, 2006, *invited talk*)
◆ DARPA Fitness Landscapes Workshop (Berkeley, CA, USA)

2004 ◆ Experimental Evolution Workshop (Friburg, Switzerland)

2003 ◆ Sexual Selection, Speciation, and Evolution of Sex Conference (Leiden, Netherlands)
◆ University of Belgrade (Belgrade, Yugoslavia, *invited talk*)

COMPUTER SKILLS AND WORK EXPERIENCE

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

Contribution to software projects Aevol http://aevol.fr and Avida http://avida.devosoft.org; in both cases I implemented specific modules necessary for my research and collaborated with others on code maintenance and debugging.
System administrator, Computation and Neural Systems Department, Caltech, Pasadena, CA, USA (1998 - 2000)

SERVICES AND ACTIVITIES

2016 - present	Organizing Committee European Conference on Artificial Life, Lyon 2017
2013 – present	Program Committee member, European Conferences on Artificial Life
2012 – present	Program Committee member, ALife International Conferences on the Simulation and Synthesis of Living Systems
2010 – 2015	Board member of ConSol, organization for peace building in war-affected, segregated communities using interdisciplinary, non-formal, interactive science education tools
2010 – 2014	Member of Paris Montagne, association promoting research and education for high school students
2009 – present	Student club advisor, Center for Research and Interdisciplinarity, Paris
2005	Zoology Department representative to the MSU Graduate Student Council
2003 – 2004	Student representative on the MSU Zoology Department Graduate Committee
2003 – 2004	President of MSU Evolutionary Biology, and Behavior Program student colloquium

LANGUAGES

Serbian (maternal), English (bilingual), French (conversational)

REVIEWED FOR

Nature Communications, Artificial Life, BMC Evolution, J of the Royal Society Interface, PLoS Computational Biology, PLoS One, Scientific Reports, J of Theoretical Biology, J of Heredity