

DJORDJE BAJIĆ

Postdoctoral associate, Department of Ecology & Evolutionary Biology. Yale University, Microbial Sciences Institute,
840 West Campus Drive, West Haven CT 06516 • Phone: (203)432-6790 • Email: djordje.bajic@yale.edu
Website: www.djbajic.github.io

APPOINTMENTS

Yale University , New Haven, CT. Postdoctoral associate, <i>Department of Ecology & Evolutionary Biology</i>	2016 - present
Biological Research Center , Hungarian Academy of Science, Szeged, Hungary <i>Research Associate</i>	2015

EDUCATION

Universidad Autonoma de Madrid , Cantoblanco, Spain. PhD in <i>Biophysics</i>	2016
Universidad Autonoma de Madrid , Cantoblanco, Spain. MSc in <i>Biophysics</i>	2010
Universidad Autonoma de Madrid , Cantoblanco, Spain. BSc in <i>Biochemistry</i>	2009

SELECTED HONORS & AWARDS

EMBO Short Fellow , European Molecular Biology Organization	2015
Master Fellow , Universidad Autonoma de Madrid	2009 - 2010
Collaboration Scholarship , Universidad Autonoma de Madrid	2008 - 2009
Erasmus Student Exchange Program Fellow , European Commission	2006 - 2007

PUBLICATIONS

- [9] *The ecology and evolution of microbial metabolic decision-making.*
[Bajić D](#) & Sanchez A.
Current Opinion in Biotechnology. Invited Review, (2019). In preparation
- [8] *High order interactions dominate the functional landscape of microbial consortia.*
Sanchez-Gorostiaga, A.*, [Bajić, D.*](#), Osborne, M.L., Poyatos, J.F., Sanchez, A.
PLoS Biology (under review) (2019)
- [7] *On the deformability of an empirical adaptive landscape by microbial evolution.*
[Bajić, D.*](#), Vila, J.C.C.*, Blount, Z.D., Sanchez, A.
PNAS (2018) 115(44):11286-11291
- [6] *Emergent simplicity in microbial community assembly.*
Goldford, J.*, Lu, N.*, [Bajić, D.](#), Estrela, S., Sanchez-Gorostiaga, A., Tikhonov, M., Segre, D., Mehta, P., Sanchez, A.
Science (2018) 361:469-74
- [5] *Deconstructing a multiple antibiotic resistance regulation through the quantification of its input function*
Rodrigo G, [Bajić D](#), Elola I, Poyatos JF
NPJ Systems Biology and Applications (2017) 3: Article number: 30
- [4] *Antagonistic autoregulation speeds up a homogeneous response in Escherichia coli.*
Rodrigo G, [Bajić D](#), Elola I, Poyatos JF
Scientific Reports (2016) 6: Article number: 36196

[3] *Biología de sistemas. In: Bioinformática con Ñ* (editors: Sebastián A, Pascual-García A) Aguirre J, [Bajić D](#), Guantes R.
Independently published (2014), ISBN:978-84-617-1976-X.

[2] *Rewiring of genetic networks in response to modification of genetic background.*
[Bajić D](#), Moreno-Fenoll C, Poyatos JF
Genome biology and evolution (2014) 6 : 3267–3280.

[1] *Balancing noise and plasticity in eukaryotic gene expression.*
[Bajić D](#), Poyatos JF
BMC Genomics (2012) 13: 343.

MEETINGS, CONFERENCES, WORKSHOPS AND SEMINARS

INVITED SEMINARS

Yale University, Microbial Sciences Institute SMALTalk, 2018
Ramon y Cajal University Hospital, Microbiology Research Unit, Madrid, Spain,, 2017

NATIONAL AND INTERNATIONAL MEETINGS, CONFERENCES AND WORKSHOPS

II Joint Congress on Evolutionary Biology (Contributed talk, unable to attend) Montpellier, France,, 2018
Conference on Evolutionary Systems Biology (Contributed talk), Wellcome Genome Campus, Hinxton, UK, 2018
International Workshop on Systems Biology and Molecular Economy of Microbial Communities (Poster presentation), The Abdus Salam International Center for Theoretical Physics, Trieste, Italy, 2017
Pan-microbial Trait Ecology Workshop (Participation and poster presentation), National Institute for Mathematical and Biological Synthesis, Knoxville TN, USA, 2017
Annual Meeting of the Society for Molecular Biology and Evolution (Poster presentation), Vienna, Austria, 2015
Workshop on the Economy of a Cell: Resource Allocation, Trade-Offs and Efficiency in Living Systems (Poster presentation), The Abdus Salam International Center for Theoretical Physics, Trieste, Italy, 2014
Causality, Information Transfer and Dynamical Networks International Workshop (Poster presentation), Max Planck Institute for Physics of Complex Systems, Dresden, Germany, 2014
XXI National Center for Biotechnology Scientific Workshop (Invited talk), Madrid, Spain, 2013
International Conference on Systems Biology (Poster presentation), Heidelberg, Germany, 2011

TEACHING & PROFESSIONAL SERVICE

TEACHING

Universidad Autonoma de Madrid. Master in Biomedicine, Postgraduate Program in Molecular Biosciences. Guest lecturer, 2012.
Wikillerato. Administrator and contributor of online educational resources for high-school students in Spain, 2012 – 2013
Yale University. E&EB225 Evolutionary Biology, Guest Lecturer, 2018.

REFEREE FOR SCIENTIFIC JOURNALS

Genome Biology, BMC Systems Biology.

MEMBER OF SCIENTIFIC SOCIETIES

Society for the Study of Evolution