

## ARCADY R. MUSHEGIAN

Program Director, Genetic Mechanisms Cluster, Molecular and Cellular Biosciences Division (MCB/BIO)  
National Science Foundation (NSF) [mushegian2@gmail.com](mailto:mushegian2@gmail.com)

**Research:** Computational studies of evolution and molecular function of genes and proteins. RNA world, Virus World and the Origin of Life. Non-equilibrium protein folding.

### Education:

1983 Diploma with Honors (equiv. to M.Sc. *cum laude*) Biochemistry. Moscow State University, USSR  
1989 Candidate in Sciences (equiv. to Ph.D.) Molecular Biology. Moscow State University, USSR.  
2017-18 Graduate Certificate in Program Monitoring and Evaluation, American University

### Professional positions:

1983-1991 Research Scientist, Assistant Lecturer, Department of Virology, Moscow State University  
1991-1994 Postdoctoral Scholar, Dept of Plant Pathology, University of Kentucky, Lexington, KY  
1994-1995 Senior Fellow, Department of Microbiology, University of Washington, Seattle, WA  
1995-1996 IRTA Fellow, National Center for Biotechnology Information, NLM, NIH, Bethesda, MD  
1996-1999 Senior Scientist, Staff Scientist, Axys Pharmaceuticals / Sequana Therapeutics, La Jolla, CA  
1999-2001 Bioinformatics Program Leader, Senior Scientist, Akkadix Corporation, La Jolla, CA  
2001-2010 Director of Bioinformatics and IT, Stowers Institute for Medical Research, Kansas City, MO  
2010-2012 Director of Bioinformatics Research, Stowers Institute for Medical Research  
2001-2012 Professor of Microbiology and Cancer Center Member (2006), KU Med Center, Kansas City  
2009-2012 Affiliate Professor, Graduate Program in Bioinformatics, Kansas University, Lawrence, KS  
2012-present Program Director (Biological Science Administrator, AD-0401-04), NSF, Alexandria, VA  
2021-present Lifetime Fellow, Clare Hall College, University of Cambridge

### Visiting positions:

2014, 2015, 2022 Visiting Researcher, UPV and U de Valencia, Santiago Elena lab (NSF IR/D plan)  
2015 US Embassy Science Fellow, Mission Warsaw, Poland  
2017 Visiting Researcher, International Potato Center, Lima, Jan Kreuze lab (NSF IR/D plan)  
2019-2020 Visiting Fellow, Clare Hall College / Richard Durbin lab, University of Cambridge

### Other:

2014-present Elected Member (2014-2017) , Business Secretary (2017- present) – ICTV EC

### Bibliography:

~140 peer-reviewed publications and a solo monograph by Academic Press (2008)

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