Journal of Molecular Evolution
Editor-in-Chief: D. Liberles

- Presents experimental and theoretical work aimed at deciphering features of molecular evolution and the processes bearing on these features
- Examines comparative structural and functional genomics, and other topics
- Coverage includes the evolution of informational macromolecules and their relation to more complex levels of biological organization, up to populations and taxa
- 100% of authors who answered a survey reported that they would definitely publish or probably publish in the journal again

Journal of Molecular Evolution covers experimental, computational, and theoretical work aimed at deciphering features of molecular evolution and the processes bearing on these features, from the initial formation of macromolecular systems through their evolution at the molecular level, the co-evolution of their functions in cellular and organismal systems, and their influence on organismal adaptation, speciation, and ecology. Topics addressed include the evolution of informational macromolecules and their relation to more complex levels of biological organization, including populations and taxa, as well as the molecular basis for the evolution of ecological interactions of species and the use of molecular data to infer fundamental processes in evolutionary ecology. This coverage accommodates such subfields as new genome sequences, comparative structural and functional genomics, population genetics, the molecular evolution of development, the evolution of gene regulation and gene interaction networks, and in vitro evolution of DNA and RNA, molecular evolutionary ecology, and the development of methods and theory that enable molecular evolutionary inference, including but not limited to, phylogenetic methods.

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