

Genome 進化と生物多様性 Gene Duplication and Diversity of species

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The evolution of complicated systems such as sensory organs and nervous systems is one of the important questions to understand the process of evolution and diversification of living things.

The progress of genome science gives us the understandings of possible evolutionary mechanisms gave the functions to species. The increase of gene repertoire performed as important role for the process. In this talk, I will show how the gene duplication played the role during evolutionary processes by using case of eye evolution as an example.