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Representation and interpretation of biological data

生命科学データの表現と解釈

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Recent technological advances have enabled life scientists to conduct massively parallel experiments and access an abundance of data sets publicly available on the Internet. As a consequence, modern life science is facing with a severe bottleneck in the step of generating interpretable hypotheses or "stories" from the big and multidisciplinary data. In this seminar, I will present some bioinformatics approaches for representing large and complicated biological data and organizing knowledge in distant fields effectively.

Keywords : Data representation, visualization, evolution, biological networks, literature