

Molecular modeling at the atomic scale : methods and applications in quantitative biology

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20417512&lokasi=lokal>

Abstrak

Developments in molecular modeling from experimental and computational techniques have enabled a wide range of biological applications. This timely summary reflects the recent advances in bridging novel algorithms and high performance computing with characterization of important biological processes, such as folding dynamics of key proteins. It encompasses the perspectives of leading experts on this transformation in molecular biology, illustrating with state of the art examples how molecular modeling approaches are being applied to critical questions in modern quantitative biology