

and Molecular Biology Molecular biology is the study of biological systems at the molecular level. It is a field of study which focuses on the molecular aspects of cellular processes, genetic transmission, and cell development. It investigates the physical and chemical processes by which genetic materials are both generated and transmitted. It encompasses a variety of different techniques and focuses on the analysis of DNA, proteins, carbohydrates, and other biomolecules. In contrast, microbiology is the study of microorganisms such as bacteria, viruses, fungi, and protists. It involves the study of the structure, metabolism, genetics, and ecology of these organisms. While the field of microbiology overlaps with molecular biology, it also encompasses a variety of other disciplines such as conservation biology, epidemiology, and biotechnology.