

System Biology

Biological Networks
Biochemical pathways
Molecular mechanisms
Interactomes

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Identification of targets of interest derived from large-scale biological data, creation of interaction networks between different types of molecules, prospecting for possible new drugs and elucidation of molecular mechanisms, evolutionary comparison between biochemical pathways - this and much more can be investigated through System Biology. Our group has experience with applying various tools of Systems Biology in different organisms such as humans, mice, bacteria, plants, and fungi. Likewise, we have experience understanding the effects of molecules and toxic compounds in biological systems and prospecting for potential drugs. Systems biology has been increasingly employed in multiple types of work due to its flexibility and full application in all Molecular Biology areas.



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