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“Metabolism Revisited”

Rabinowitz Lab:

Our lab aims to achieve a quantitative, comprehensive understanding of cellular metabolism. Our motivation for studying metabolism is two-fold. From a basic science perspective, the molecular connections involved in metabolism are the best understood of any major biochemical network. Accordingly, metabolism provides a unique opportunity for quantitative analysis. From a practical perspective, derangements of metabolism are a major cause of disease, and small molecules that inhibit metabolism are the basis of many important pharmaceuticals. Accordingly, systems-level analysis of metabolism is likely to yield discoveries of medical significance.