

Meta-analysis in Genetics and Genomics

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Abstract:

Numerous groups worldwide are carrying out genetic and genomic studies on related disease processes. Examples include linkage mapping of complex diseases, such as diabetes or asthma, and microarray studies of lipid metabolism or specific cancers. As these studies accumulate, there is a desire to combine outcomes to consolidate the current state of knowledge. It is natural to consider meta-analysis to accomplish the integration of results. However, application of meta-analytic techniques is generally not straightforward in genetic linkage analysis or microarray studies.

This talk will highlight the complicating issues particular to genetics and genomics studies, and illustrate some approaches to overcome them.