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## Sample size calculation based on exact test for differential expression analysis of RNA-seq data

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Supposed based on the exact test for assessing differential expression analysis of RNA-seq data, a method to calculate the sample size was proposed based on the exact test for assessing differential expression analysis of RNA-seq data, with achievement of desired power.

## **Biography**

Yu Shyr is the Director for the Vanderbilt Center for Quantitative Sciences, received his PhD in Biostatistics from the University of Michigan (Ann Arbor) in 1994 and subsequently joined the faculty at Vanderbilt University School of Medicine. He is a Fellow of the American Statistical Association and an FDA advisory committee voting member. He has presented over 190 abstracts and has published more than 300 peer-reviewed papers. His research interests lie in developing and analyzing predictive models of the statistical relationships between multiple-variable protein and next-generation sequencing data and clinical endpoints using both supervised and unsupervised classification and pattern recognition approaches.

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