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Quantitative proteomics is an analytical chemistry technique for determining the amount of proteins in a sample. The methods for protein identification are identical to those used in general (i.e. qualitative) proteomics, but include quantification as an additional dimension. Rather than just providing lists of proteins identified in a certain sample, quantitative proteomics yields _

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Untargeted metabolomics identifies succinate as a To determine the utility of plasma succinate concentrations as a potential biomarker for all aortic diseases, the predictive ability of succinate was evaluated by using the area under the receiver operating characteristic curve (AUCROC) that gave a value of 0.83 (95% CI: 0.81–0.85, P = 0.006, Supplementary material online, Figure S3B) with _

- AT-hook 1 as a prognosis biomarker for HCC | IJGM Mar 11, 2020 · Here, we summarise the unresolved debate about p value and its dichotomisation. We present the statement of the American Statistical Association against the misuse of statistical significance as well as the proposals to abandon the use of p value and to reduce the significance threshold from 0.05 to 0.005. We highlight reasons for a conservative approach, _


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Meso Scale Discovery Jan 13, 2022 · Introduction. Hepatocellular carcinoma (HCC), which accounts for 75–85% of all cases, is the predominant type of liver cancer with a highly malignant nature due to its insidious onset, rapid progression, and intrahepatic and distant metastasis. Liver cancer is one of the most common malignancies and the second most frequent cause of cancer-associated death.

Quantitative proteomics identifies the core proteome of Dec 15, 2021 · Objectives To explore whether random chance, weak research methodology, or inappropriate reporting can lead to claims of statistically significant (yet, biologically meaningless) biomarker associations, using as a model the relation between a common surrogate of prenatal testosterone exposure, second-to-fourth digit ratio (2D:4D), and a random indicator of good health.

Statistical significance: p value, 0.05 threshold, and Jul 07, 2016 · The statistical methods for hypothesis testing and more widespread use of adaptive trial designs could accelerate the discovery of new biomarkers.

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