

Metabolomika – narzędzie w genomice funkcjonalnej i biologii systemów

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Metabolomics – a tool in functional genomics and systems biology

Summary

The concept of metabolomic studies has been developed during the last decade. Comprehensive analysis of primary and secondary metabolites in living organisms grown under genetic and environmental stresses may deliver interesting information about the status of the studied microorganisms, plants or animals. The metabolome analysis may be performed using different methodical approaches and various physicochemical methods may be applied for identification of low molecular compounds. Due to huge sets of data collected during the metabolomic studies, different statistical calculations and bioinformatic technologies are used for the presentation and interpretation of the results.

Key words:

systems biology, functional genomics, transcriptomics, proteomics, metabolomics, biotechnology

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