Dynamic network reconstruction from gene expression data applied to immune response during bacterial infection.

Guthke R, Möller U, Hoffmann M, Thies F, Töpfer S (2005) Dynamic network reconstruction from gene expression data applied to immune response during bacterial infection. *Bioinformatics* 21(8), 1626-1634.

Abstract

The immune response to bacterial infection represents a complex network of dynamic gene and protein interactions. We present an optimized reverse engineering strategy aimed at a reconstruction of this kind of interaction networks. The proposed approach is based on both microarray data and available biological knowledge.

Involved units

Microbiome Dynamics Gianni Panagiotou Read more

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Details

Topics

Networks of host- fungal pathogen interaction

Identifier

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