Novel application of multi-stimuli network inference to synovial fibroblasts of rheumatoid arthritis patients.

Kupfer P, Huber R, Weber M, Vlaic S, Häupl T, Koczan D, Guthke R, Kinne RW (2014) Novel application of multi-stimuli network inference to synovial fibroblasts of rheumatoid arthritis patients. *BMC Med Genomics* 7(1), 40-40.

Details

PubMed

Abstract

Network inference of gene expression data is an important challenge in systems biology. Novel algorithms may provide more detailed gene regulatory networks (GRN) for complex, chronic inflammatory diseases such as rheumatoid arthritis (RA), in which activated synovial fibroblasts (SFBs) play a major role. Since the detailed mechanisms underlying this activation are still unclear, simultaneous investigation of multi-stimuli activation of SFBs offers the possibility to elucidate the regulatory effects of multiple mediators and to gain new insights into disease pathogenesis.

Beteiligte Forschungseinheiten

Microbiome Dynamics Gianni Panagiotou Mehr erfahren

Leibniz-HKI-Autor*innen



Reinhard Guthke

Details



Peter Kupfer

Details



Sebastian Vlaic

Details

Identifier

doi: 10.1186/1755-8794-7-40

PMID: 24989895