

SFB 680

MOLECULAR BASIS OF
EVOLUTIONARY INNOVATIONS

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“Reconstruction and Inference of Composite Biological Networks via Computational Models”

We will present methods that have been developed for the reconstruction of composite biological networks (CBN) using protein-protein interactions and gene expression data and the subsequent detection of functional modules. Furthermore we will discuss on gene regulatory networks inference from gene expression and CBN data. Finally we will briefly overview extensions, improvements and further applications (Bio-Markers sub-network detection) of the aforementioned methods.

October 30, 17:00

Institute for Theoretical Physics, Zùlpicher Str. 77, Conference Room

Host: Michael Lässig

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