



PD Dr. Reinhard Guthke

Phone: +49 3641 532-1083 Email: reinhard.guthke@leibniz-hki.de Website: www.leibniz-hki.de/de/systembiologie-und-bioinformatik.htm

Projects

Former Projects

Integration of transcriptome and proteome data from human-pathogenic fungi

[Details](#)

Automated analysis of dynamic properties in biological systems from image data

[Details](#)

Prediction of gene regulatory networks involved in the differentiation, secondary metabolism and cross talk of *Aspergillus nidulans*

[Details](#)

Bioinformatic investigation and prediction of gene regulatory elements in pathogenic fungi

[Details](#)

Optimization of the influenza neuraminidase inhibitor therapy by use of secondary bacterial infections

[Details](#)

Integrated genome-wide data analysis by ensemble learning methods to understand infection processes

[Details](#)

Analysis and interpretation of variance in gene expression data

[Details](#)