

Dissecting the in vivo dynamics of transcription locking due to positive supercoiling buildup

High-content imaging and structure-based predictions reveal functional differences between Niemann-Pick C1 variants

Pulmonary Surfactant Lipid Reorganization Induced by the Adsorption of the Oligomeric Surfactant Protein B Complex

Sodium channels enable fast electrical signaling and regulate phagocytosis in the retinal pigment epithelium

Understanding the Role of Lipids in Signaling Through Atomistic and Multiscale Simulations of Cell Membranes

Iterative unsupervised domain adaptation for generalized cell detection from brightfield z-stacks

Regulation of asymmetries in the kinetics and protein numbers of bacterial gene expression

Structure and dynamics of a human myelin protein P2 portal region mutant indicate opening of the β barrel in fatty acid binding proteins

The precision of the symmetry in Z-ring placement in Escherichia coli is hampered at critical temperatures

Comparison of different coating techniques on the properties of FucoPol films

sgnesR

An R package for simulating gene expression data from an underlying real gene network structure considering delay parameters

GSAR

Bioconductor package for Gene Set analysis in R

Effects of σ factor competition are promoter initiation kinetics dependent

Biogenesis of Nascent High Density Lipoprotein Particles

Urothelial cancer gene regulatory networks inferred from large-scale RNAseq, Bead and Oligo gene expression data

A Bayesian approach for suppression of limited angular sampling artifacts in single particle 3D reconstruction

Comparative evaluation of gene set analysis approaches for RNA-Seq data

AROS has a context-dependent effect on SIRT1

Investigating the binding behaviour of two avidin-based testosterone binders using molecular recognition force spectroscopy

Functional and genetic analysis of the colon cancer network.

The structural motifs for substrate binding and dimerization of the α subunit of collagen prolyl 4-hydroxylase

Non-coding RNAs in DNA damage and repair

Resonance assignments of the 56 kDa chimeric avidin in the biotin-bound and free forms

Characteristics of complex formation between monomeric and dimeric bisbenzimidazoles and AT-containing polynucleotide

Organizational structure and the periphery of the gene regulatory network in B-cell lymphoma.

Structural Measures for Network Biology Using QuACN

Inferring the conservative causal core of gene regulatory networks

Hierarchical coordination of periodic genes in the cell cycle of *Saccharomyces cerevisiae*

Information processing in the transcriptional regulatory network of yeast
Functional robustness

Structural information content of networks
Graph entropy based on local vertex functionals

A topological algorithm for identification of structural domains of proteins