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FORTHCOMING PAPERS

Bioinformatics

Data-directed RNA secondary structure prediction using probabilistic modeling

Fei Deng, Mirko Ledda, Sana Vaziri, and Sharon Aviran

Evaluation of microRNA alignment techniques

Mark Ziemann, Antony Kaspi, and Assam El-Osta

Reports

Multiple determinants of splicing repression activity in the polypyrimidine tract binding proteins PTBP1 and PTBP2

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Structural basis for the antagonistic roles of RNP-8 and GLD-3 in GLD-2 poly(A)-polymerase activity

Katharina Nakel, Fabien Bonneau, Claire Basquin, Bianca Habermann, Christian R. Eckmann, and Elena Conti

The TOR signaling pathway regulates starvation-induced pseudouridylation of yeast U2 snRNA

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Articles

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Analysis of the human immunodeficiency virus-1 RNA packageome

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Defects in THO/TREX-2 function cause accumulation of novel cytoplasmic mRNP granules that can be cleared by autophagy

Nichole Eshleman, Guangbo Liu, Kaitlyn McGrath, Roy Parker, and J. Ross Buchan

Transcriptomic comparison of *Drosophila* snRNP biogenesis mutants reveals mutant-specific changes in pre-mRNA processing: implications for spinal muscular atrophy

Eric L. Garcia, Ying Wen, Kavita Praveen, and Arnold Gregory Matera

G-quadruplex RNA binding and recognition by the lysine-specific histone demethylase-1 enzyme

Alexander Hirschi, William J. Martin, Zigmund Luka, Lioudmila V. Loukachevitch, and Nicholas J. Reiter

The essential function of the *Trypanosoma brucei* Trl1 homolog in procyclic cells is maturation of the intron-containing tRNA^{Tyr}

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