BBA GENE REGULATORY MECHANISMS
One of the nine topical journals of BBA

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DESCRIPTION

*BBA Gene Regulatory Mechanisms* includes reports that describe novel insights into mechanisms of transcriptional, post-transcriptional and translational gene regulation. Special emphasis is placed on papers that identify epigenetic mechanisms of gene regulation, including chromatin, modification, and remodeling. This section also encompasses mechanistic studies of regulatory proteins and protein complexes; regulatory or mechanistic aspects of RNA processing; regulation of expression by small RNAs; genomic analysis of gene expression patterns; and modeling of gene regulatory pathways. Papers describing gene promoters, enhancers, silencers or other regulatory DNA regions must incorporate significant functions studies.

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Chromatin; nucleosome dynamics; transcription; DSB repair
Mark Parthun, The Ohio State University, Columbus, Ohio, USA
Epigenetics, Histone modifications, histone transport across the nucleus, Mass Spec analysis

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Myc oncoproteins; Transcriptional repression; Epigenomics. Neuronal tumors; Transcriptome profiling

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telomeres; DNA repair; meiosis

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Transcription; Core promoter; Tumor suppressor; Oncogene

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transcription, chromatin, DNA damage response, metabolic regulation, yeast

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transcription, DNA damage, gene therapy, tumor suppressors, and molecular mechanisms of virus host-cell interaction.

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Plant biology, histone methylation, histone ubiquitylation, histone chaperones

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alternative splicing, RNA binding proteins, RNA-protein interactions, RNA aptamers

**Yanming Wang**, Penn State University, University Park, Pennsylvania, USA
epigenetic histone modifications, histone citrullination, chromatin structure and function

**David Wassarman**, University of Wisconsin at Madison, Madison, Wisconsin, USA
Transcription, splicing, alternative splicing, chromatin, Drosophila

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mRNA stability, myotonic dystrophy, mRNA methylation, pluripotent stem cells, RNA-binding protein, post-transcriptional control

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Genome-wide mRNA levels in histone, mutant strains, Analysis of global protein-DNA interactions, bioinformatics software (to analyze microarray data), functional genomic tools

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Epigenetics, chromatin structure, RNA processing, protein-RNA interactions, structural biology.
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