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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Mary Ann Osley, University of New Mexico, Albuquerque, New Mexico, USA
Chromatin; nucleosome dynamics; transcription; DSB repair
Mark Parthun, The Ohio State University, Columbus, Ohio, USA
Epigentics, Histone modifications, histone transport across the nucleus, Mass Spec analysis

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telomeres; DNA repair; meiosis

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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

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epigeneric histone modifications, histone citrullination, chromatin structure and function

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

**Carol Wilusz**, Colorado State University, Fort Collins, Colorado, USA
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

**Rui-Ming Xu**, Chinese Academy of Sciences (CAS), Beijing, China
Epigenetics, chromatin structure, RNA processing, protein-RNA interactions, structural biology.
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