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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Transcription; Chromatin; Signalling Cancer; DNA damage response, Drug resistance.

Colin Logie, Radboud Universiteit Nijmegen, Nijmegen, Netherlands
ATP-dependent Chromatin Remodelling, HAT, HDAC, DNA repair, DNA recombination, monocytes

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Tissue-specific regulation of alternative splicing, ubiquitin signaling in RNA biology

Huck Hui Ng, Genome Institute of Singapore, Genome, Singapore
Stem cell biology, transcription factor, transcriptional regulatory network, genomics, chromatin structure and function, reprogramming

Joe Ogas, Purdue University, West Lafayette, Indiana, USA
Epigenetics; gene expression;chromatin remodelling;development Arabidopsis

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

**Giovanni Perini**, Università di Bologna, Bologna, Italy
Myc oncoproteins; Transcriptional repression; Epigenomics. Neuronal tumors; Transcriptome profiling

**José Reyes**, Centro Andaluz de Biologiá y Med Reg, Sevilla, Spain
Epigenetics; Chromatin remodelling; Nucleosome positioning; Histone methylation; Transcription elongation

**Karel Riha**, Gregor Mendel Institute of Molecular Plant Biology, Vienna, Austria
telomeres; DNA repair; meiosis

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Transcription; Core promoter; Tumor suppressor; Oncogene

**Michael Schultz**, University of Alberta, Edmonton, Alberta, Canada
transcription, chromatin, DNA damage response, metabolic regulation, yeast

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Histone Deacetylase; Protein Acetylation; Protein Deacetylation; Gene Regulation

**Yosef Shaul**, Weizmann Institute of Science, Rehovot, Israel
transcription, DNA damage, gene therapy, tumor suppressors, and molecular mechanisms of virus host-cell interaction.

**Wen-Hui Shen**, Institut de Biologie Moléculaire des Plantes, Strasbourg, France
Plant biology, histone methylation, histone ubiquitylation, histone chaperones

**Ravindra Singh**, Iowa State University, Ames, Iowa, USA
alternative splicing, RNA binding proteins, RNA-protein interactions, RNA aptamers

**Yanming Wang**, Penn State University, University Park, Pennsylvania, USA
epigentic 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

**John Wyrick**, Washington State University, Pullman, Washington, USA
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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