



Scan to view this journal
on your mobile device



Acta Biochimica et Biophysica Sinica

Vol. 44 No. 1 January 2012

Special Issue on Epigenetics Contents

Editorial

1 A special issue on 'epigenetics'

Wenlin Xu and Minghua Xu

Reviews

3 Linking DNA replication to heterochromatin silencing and epigenetic inheritance

Qing Li and Zhiguo Zhang

14 Lysine methylation: beyond histones

Xi Zhang, Hong Wen, and Xiaobing Shi

28 Many keys to push: diversifying the 'readership' of plant homeodomain fingers

Yuanyuan Li and Haitao Li

40 Genome-wide expression of non-coding RNA and global chromatin modification

Rukai Zhang, Lan Zhang, and Wenqiang Yu

48 Large chromatin domains in pluripotent and differentiated cells

Shibin Hu, Lu Cheng, and Bo Wen

54 Diverse functions of ATP-dependent chromatin remodeling complexes in development and cancer

Jiang I. Wu

70 Targeting protein lysine methylation and demethylation in cancers

Yunlong He, Ilia Korboukh, Jian Jin, and Jing Huang

80 Histone acetyltransferases and deacetylases: molecular and clinical implications to gastrointestinal carcinogenesis

Wei-Jian Sun, Xiang Zhou, Ji-Hang Zheng, Ming-Dong Lu, Jian-Yun Nie, Xiang-Jiao Yang, and Zhi-Qiang Zheng

92 Epigenetic mechanisms in cardiac development and disease

Marcus Vallaster, Caroline Dacwag Vallaster, and Sean M. Wu

Acta Biochim Biophys Sin is indexed in Science Citation Index-ExpandedTM, PubMed, MEDLINE, Biochemistry & Biophysics Citation IndexTM, Biological Abstracts, Bioscience Citation IndexTM, Chemical Abstracts, Research AlertTM, etc. *Acta Biochim Biophys Sin* is supported by the grants from the Science Publishing Foundation of the Chinese Academy of Sciences, the National Natural Science Foundation of China, and WANG Ying-Lai Foundation.