Contents

In This Issue	
Note from the Editor Terri Grodzicker	887
Special Section: Perspective	
Epigenetics and transcription regulation during eukaryotic diversification: the saga of TFIID Simona V. Antonova, Jeffrey Boeren, H.T. Marc Timmers, and Berend Snel	888
Special Section: Reviews	
PRC2 is high maintenance	903
Jia-Ray Yu, Chul-Hwan Lee, Ozgur Oksuz, James M. Stafford, and Danny Reinberg	
Dangerous liaisons: interplay between SWI/SNF, NuRD, and Polycomb in chromatin regulation and cancer	936 ^{0A}
Adrian P. Bracken, Gerard L. Brien, and C. Peter Verrijzer	
Promoter-proximal pausing of RNA polymerase II: a nexus of gene regulation Leighton Core and Karen Adelman	960
MITEthe first 25 years	983
Colin R. Goding and Heinz Arnheiter	
Transcription-mediated replication hindrance: a major driver of genome instability Belén Gómez-González and Andrés Aguilera	1008 ^{0A}
Outlook	
Dosage compensation plans: protein aggregation provides additional insurance	1027
against aneuploidy Rahul S. Samant, Vincent B. Masto, and Judith Frydman	
Research Papers	
Protein aggregation mediates stoichiometry of protein complexes in aneuploid cells Christopher M. Brennan, Laura Pontano Vaites, Jonathan N. Wells, Stefano Santaguida, Joao A. Paulo, Zuzana Storchova, J. Wade Harper, Joseph A. Marsh, and Angelika Amon	1031
Enhancement of LIN28B-induced hematopoietic reprogramming by IGF2BP3 Saifeng Wang, Bryan Chim, Yijun Su, Pavel Khil, Madeline Wong, Xiantao Wang, Amir Foroushani, Patrick T. Smith, Xiuhuai Liu, Rui Li, Sundar Ganesan, Chrysi Kanellopoulou, Markus Hafner, and Stefan A. Muljo	1048

LF4 protein stability regulated by interaction with pluripotency transcription factors verrides transcriptional control avroop K. Dhaliwal, Luis E. Abatti, and Jennifer A. Mitchell	1069
The orphan nuclear receptor SHP regulates ER stress response by inhibiting XBP1s degradation	1083
Shengyi Sun, Sherwin Kelekar, Steven A. Kliewer, and David J. Mangelsdorf	

^{OA}Open Access paper

Cover Small heterodimer partner (SHP) is an atypical orphan member of the nuclear receptor family that is best known for its regulation of bile acid and lipid metabolism in the liver; however, its function in other tissues is poorly understood. An unexpected role for SHP was identified in the exocrine pancreas as a modulator of the endoplasmic reticulum (ER) stress response. She expression is induced in acinar cells in response to ER stress and regulates the protein stability of the spliced form of X-box-binding protein 1 (XBP1s), a key mediator of ER stress response. Shown here is a confocal image of HEK293T cells expressing SHP (red) and XBP1s (green), demonstrating their colocalization in the nucleus. SHP physically interacts with XBP1s, thereby inhibiting its polyubiquitination and degradation. (For details, see Sun et al., p. 1083.)