

Contents

Vol. 87, Suppl. 1, 2022

Engl.

In Memory of Lev Ovchinnikov

Dmitry N. Lyabin and Eugenia V. Serebrova

S1

Reviews

Y-box Binding Protein 1: Looking Back to the Future

Valentina Evdokimova

S5

YB-1 Structure/Function Relationship in the Packaging of mRNPs and Consequences for Translation Regulation and Stress Granule Assembly in Cells

Loïc Hamon, Karina Budkina, and David Pastré

S20

Role of YB-1 in Regulation of Poly(ADP-Ribosylation) Catalyzed by Poly(ADP-Ribose) Polymerases

Elizaveta E. Alemasova, Konstantin N. Naumenko, Maria V. Sukhanova, and Olga I. Lavrik

S32

Diverse Regulation of YB-1 and YB-3 Abundance in Mammals

Irina A. Eliseeva, Ekaterina M. Sogorina, Egor A. Smolin, Ivan V. Kulakovskiy, and Dmitry N. Lyabin

S48

Role of Y-Box Binding Proteins in Ontogenesis

Dmitry A. Kretov

S71

YB-1 Protein in Breast Cancer (Scientific and Personal Meetings with Professor Ovchinnikov)

Gelena P. Guens

S86

Role of YB-1 Protein in Inflammation

Ekaterina Yu. Rybalkina and Natalia I. Moiseeva

S94

Epigenetics of Ribosomal RNA Genes

Oleg Denisenko

S103

Integrated Stress Response in Neuronal Pathology and in Health

Nadejda L. Korneeva

S111

Biosynthetic Protein Folding and Molecular Chaperons

Alexey N. Fedorov

S128

Protein Engineering: Advances in Phage Display for Basic Science and Medical Research

Elena K. Davydova

S146

Selenium Metabolism and Biosynthesis of Selenoproteins in the Human Body

Waldemar B. Minich

S168

Targeting XPO1-Dependent Nuclear Export in Cancer

Ekaterina Kim, Daria A. Mordovkina, and Alexey Sorokin

S178

Malaria Parasite *Plasmodium falciparum* Proteins on the Surface of Infected Erythrocytes
as Targets for Novel Drug Discovery

Andrew V. Oleinikov

S192
