

Contents

- Thoru Pederson:* Nuclear impressionism: how the active genome creates the very canvas on which gene expression is painted 1-8
- Danièle Hernandez-Verdun:* The nucleolus: functional organization and assembly 9-38
- Lubomír Tomáška, Judita Sadovská, Jozef Nosek,
Jack D. Griffith:* Yeast telomeres: how to ignore essential double-strand DNA breaks? 39-59
- Jozef Nosek, Lubomír Tomáška and Blanka Kucejová:
The chromosome end replication: lessons from mitochondrial genetics* 61-78
- Sylvia Papp, Marc P. Fadel and Michal Opas:* ER-to-cell surface signalling: calreticulin and cell adhesion 79-112
- Augustin Svoboda:* Cross-talk between the cell wall and cytoplasm 113-125
- Karel Smetana Jr.:* Glycophenotype of squamous epithelia: from laboratory to clinical practice 127-135
- Roland Peter, Robert Gschwentner, Wolfgang Schürmann,
Reinhard M. Rieger, Peter Ladurner:* The proliferative compartment of free-living flatworms (turbellarians): stem cells, neoblasts, their characterization and localization 137-156
- Peter M. Eckl and Nikolaus Bresgen:* The cultured primary hepatocyte and its application in toxicology 157-176
- Josef Berger:* Cell biology education on the Internet 177-184