

# Contents

- Josef Berger*: Current ethical problems in cell biology 1–11
- Laurence Had-Aissouni, Diane B. Ré, Silvian Lortet, Benoit Canolle, I. Nafia, Frederique Masméjean, Benjamin Guillet, Pascal Pisano, André Nieoullon*: Contribution of excitatory amino acids to neurodegenerative diseases: do the astrocytes have a key role in the process? 13–26
- Zdeněk Berger and David C. Rubinsztein*: Aggregate-prone proteins and human diseases 27–47
- Karel Smetana*: Are nucleoli useful markers of various cell states? 49–56
- Fernando González-Camacho and Francisco Javier Medina*: The nucleolar structure and nucleolar proteins as indicators of cell proliferation events in plants 57–71
- Viktor Brabec*: Mechanism of the anti-tumor activity of platinum complexes 73–90
- Kyra Michalová*: New trends in clinical cytogenetics 91–100
- Katarína Volkovová, Mária Dušinská, Andrew R. Collins*: From oxidative DNA damage to molecular epidemiology 101–112
- Marek Michalak*: Endoplasmic reticulum quality control and congenital pathology 113–127
- Eva Szabo, Sylvia Papp, Michal Opas*: Calreticulin and cellular adhesion/migration-specific signalling pathways 129–146



*Jan Svoboda: Cellular factors in retrovirus infection* 147–152

*Jan Závada: Newly emerging viruses – a new threat to mankind?*  
153–161

*Günter Vollmer and Oliver Zierau: SERMs from food and plants:  
an alternative to hormone replacement therapy?* 163–170

*Juraj Krajčovič: Plastids as drug targets* 171–212