

The coverage of the journal includes:

- membrane physiology and biophysics (ion channels, receptors, transporters, protein-lipid interactions, surface phenomena, model membranes),
- intercellular and intracellular signalling (neurotransmission, endocrine regulations, messengers, secretory mechanisms, regulatory proteins, calcium signalling pathways, nitric oxide),
- excitability and contractility (neurophysiology, smooth, cardiac and skeletal muscle physiology, excitation-contraction coupling, cellular motility),
- biophysical analysis of cellular function (bioenergetics, volume regulation, thermodynamics, mathematical models),
- metabolic regulations (enzymology, ATPases, plant and microbial metabolism),
- cellular aspects of pharmacology, toxicology and pathology (receptor-drug interaction, the action of drugs and toxins on signalling and regulatory functions, free radicals, lipid peroxidation, ischemic preconditioning, calcium paradox),
- accounts of advances in relevant techniques and methodology.

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