

Volume 90, Issue 2

February 2025

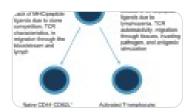


13 articles in this issue

Memory T Cells: Investigation of Original Models with Transgenic T Cell Receptors

Dmitry B. KazanskyAnastasiia A. KalininaLudmila M. Khromykh

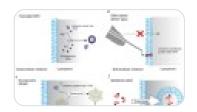
REVIEW | 18 April 2025 | Pages: 161 - 172



<u>Techniques for Selective Labeling of Molecules and Subcellular</u> <u>Structures for Cryo-Electron Tomography</u>

Evgeny P. Kazakovlgor I. KireevSergei A. Golyshev

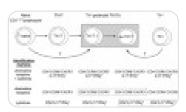
REVIEW | 18 April 2025 | Pages: 173 - 187



Mechanisms of Glucocorticoid Resistance in Nonclassical T Helper Populations Th17.1/Ex-Th17

Elena M. Kuklina

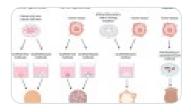
REVIEW | 18 April 2025 | Pages: 188 - 199



Tumor Spheroids, Tumor Organoids, Tumor Explants, and Tumoroids: What Are the Differences between Them?

Mikhail Durymanov

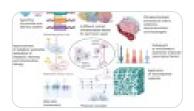
REVIEW | 18 April 2025 | Pages: 200 - 213



<u>Direct Neural Reprogramming in situ</u>: Existing Approaches and Their Optimization

Nikita V. DokukinDaria A. ChudakovaVladimir P. Baklaushev

REVIEW | 18 April 2025 | Pages: 214 - 230



Evolution, Possibilities, and Prospects for Application of the Methods of Assessment of Pyridine Nucleotides Pool for Studying Mechanisms of Brain Plasticity in Normal and Pathological Conditions



Anna V. ZubovaAlexander A. GroshkovSergey N. Illarioshkin

REVIEW | 18 April 2025 | Pages: 231 - 246

Differential Expression of hsa-miR-134, hsa-miR-155, hsa-miR-122 as Biomarkers of Epileptogenesis in Patients with Acute Cerebral Injury

Anastasia A. Vasilieva Elena E. Timechko Diana V. Dmitrenko

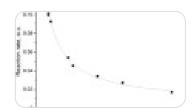
OriginalPaper | 18 April 2025 | Pages: 247 - 258



Inhibitors of Transketolase from *Mycobacterium*tuberculosis Targeted towards both the Diphosphate Binding Site and an Adjacent Hydrophobic Subsite

Dmitry K. NilovIrina V. GushchinaVytas K. Švedas

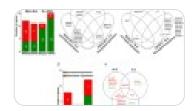
OriginalPaper | 18 April 2025 | Pages: 259 - 264



JNK Signaling Pathway Activity Alterations in the Rat Hippocampus: Effect of Age, Alzheimer's Disease-Like Pathology Development, and the JNK Inhibitor IQ-1S

Natalia A. MuralevaAnna A. ZhdankinaNataliya G. Kolosova

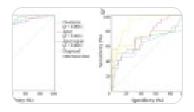
OriginalPaper | 18 April 2025 | Pages: 265 - 275



Molecular Biomarkers of Neurodegeneration in Amyotrophic Lateral Sclerosis

Denis V. ShevchukAmir I. TukhvatulinMaria N. Zakharova

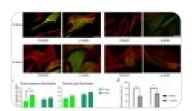
OriginalPaper | 18 April 2025 | Pages: 276 - 288



Induction of Fibroblast-to-Myofibroblast Differentiation by Changing Cytoplasmic Actin Ratio

Yulia G. LevuschkinaVera B. DuginaPavel B. Kopnin

OriginalPaper | 18 April 2025 | Pages: 289 - 298



Erratum to: Low-Molecular Neurotrophin-3 Mimetics with Different Patterns of Postreceptor Signaling Activation Attenuate Differentially Morphine Withdrawal in Rats

Larisa G. KolikMark A. KonstantinipolskyTatiana A. Gudasheva

Erratum | 18 April 2025 | Pages: 299 - 299

Erratum to: Denaturation Properties and Folding Transition States of Leghemoglobin and Other Heme Proteins

Pijush BasakNiloy KunduMaitree Bhattacharyya **Erratum** | 18 April 2025 | Pages: 300 - 301

