



**Volume 19, Issue 1 supplement**  
**August 2025**

Special Issue “Translational Biomedicine: Progress and Perspectives”. Guest Editor Dr. Aleksandr A. Rubel

21 articles in this issue

**What is Translational Biomedicine?**

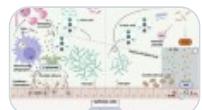
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**NGS in Cancer and Translational Medicine: Unlocking the Future of Precision Oncology (A Review)**



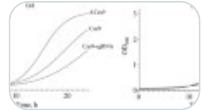
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**Mechanisms of Interaction Between Yeast, Bacterial Biota, and Local Immune Response in Recurrent Vulvovaginal Candidiasis (A Review)**



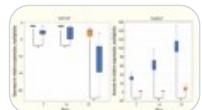
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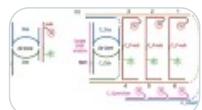
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**Substrate Feeding “DNA-Cassette” Improves the Background of Binary (Split) DNAzyme Sensor**



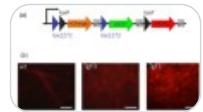
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## Cumulus Cells and Glutathione: Key Factors for In Vitro Fertilization Efficiency and Embryo Development



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## Transgenic Mice with Integrated Brainbow 3.0 Cassette Exhibit Non-Uniform Cytoplasmic Distribution of mOrange2 Protein in Neurons

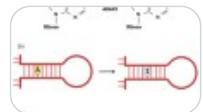


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## The Role of ADAR2 in the Regulation of the Ionotropic iGluR Receptors Activity (A Review)



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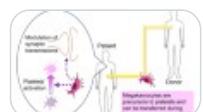
Stress Chemistry: 1. Neurotransmitters and Neuromodulators

## Animal Models of Hemophilia B (A Review)



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## Transplanted Cells, Transferred Minds: Can Transplanted Cells Influence Mental Illness? (A Review)



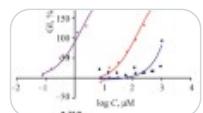
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Part of 2 collections:

Alzheimer's disease (AD)

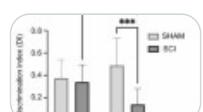
Stress Chemistry: 3. Translational Aspects Biochemical Markers in Stress-Related Disorders

## Lack of Impact of Trace Amine-Associated Receptor Type 1 Ligands on In Vitro Proliferation of Triple-Negative Breast Cancer-Derived Cell Line BT-20



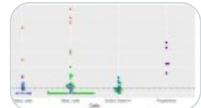
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## Neuroplastic and Neuroinflammatory Alterations in the Hippocampus after Spinal Cord Injury



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## **Dopamine Transporter SLC6A3 Expression in Langerhans Islets Cells**

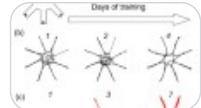


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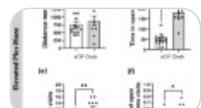
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## **Comparative Evaluation of Behavioral Tests Efficiency in Learning of Dopamine Transporter Knockout Rats**



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## **Increase in Serotonin Turnover and Anxiolytic Effects Following 14-Day Intracerebroventricular Ouabain Infusion in C57BL/6 Mice**



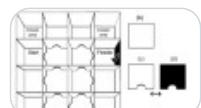
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Stress Chemistry: 1. Neurotransmitters and Neuromodulators

## **Adaptation of the Transformer Maze to Assess the Cognitive Abilities of Mice**



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## **Application of the NeuN Neuronal Marker to Study the Development of the Human Fetal Cortex**



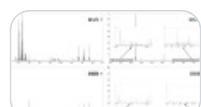
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## **Optical Clearing and Immunolabeling of Archival Human Prenatal Neural Tissue Blocks**



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## **Lipid MALDI Imaging of Prenatal Human Archival Brain Tissue with Prolonged Fixation Period**



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