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The proceedings accept manuscripts of broad topics (NOT limited to bioinformatics) and diverse formats, such as mini reviews, reviews, and research articles.

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About *Experimental Biology and Medicine*

Experimental Biology and Medicine (EBM) is a global, peer-reviewed journal dedicated to the publication of multidisciplinary and interdisciplinary research in biomedical sciences. EBM provides both research and review articles as well as meeting symposia and brief communications. Articles represent cutting edge research at the overlapping junctions of the biological, physical, and engineering sciences that impact on the health and welfare of the world's population.

Impact factor: 3.2 / 5-Year Impact Factor: 3.7

List of publications in AR-BIC23 proceedings in *Experimental Biology and Medicine*

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|---|--------------------|--------------|
| Integrating artificial intelligence with bioinformatics promotes public health https://doi.org/10.1177/15353702231223575 | Vol. 248, Issue 21 | pp 1905-1907 |
| Bidirectional Encoder Representations from Transformers-like large language models in patient safety and pharmacovigilance: A comprehensive assessment of casual inference implications https://doi.org/10.1177/15353702231215895 | Vol. 248, Issue 21 | pp 1908-1917 |
| Assessment of tumor mutational burden estimation by targeting panel sequencing: A comprehensive simulation analysis https://doi.org/10.1177/15353702231211882 | Vol. 248, Issue 21 | pp 1918-1926 |
| Developing a SARS-CoV-2 main protease binding prediction random forest model for drug repurposing for COVID-19 treatment https://doi.org/10.1177/15353702231209413 | Vol. 248, Issue 21 | pp 1927-1936 |
| RxBERT: Enhancing drug labeling text mining and analysis with AI language modeling https://doi.org/10.1177/15353702231220669 | Vol. 248, Issue 21 | pp 1937-1943 |

- A systematic analysis and data mining of opioid-related adverse events submitted to the FAERS database <https://doi.org/10.1177/15353702231211860> Vol. 248, Issue 21 pp 1944-1951
- Review of machine learning and deep learning models for toxicity prediction <https://doi.org/10.1177/15353702231209421> Vol. 248, Issue 21 pp 1952-1973
- Machine learning and deep learning for brain tumor MRI image segmentation <https://doi.org/10.1177/15353702231214259> Vol. 248, Issue 21 pp 1974-1992
- Data science in drug discovery safety: Challenges and opportunities <https://doi.org/10.1177/15353702231215890> Vol. 248, Issue 21 pp 1993-2000