CALL FOR PAPERS: SPECIAL ISSUE

Transforming Healthcare and Medicine with Biomedical Informatics and Emerging AI Techniques

Join us at the forefront of healthcare’s transformative evolution by contributing to the Special Session, “Transforming Healthcare and Medicine with Biomedical Informatics and Emerging AI Techniques.” We invite you - researchers, practitioners, educators, and policymakers to contribute your insights to this curated collection in the Journal of Biomedical and Health Informatics. This issue seeks to explore the frontier where AI intersects with healthcare, advancing clinical care, decision-making, and precision health. Your submissions will shape the narrative of AI’s role in reshaping clinical care, unraveling complex biomedical data, and navigating ethical considerations within medicine. Together, we aim to curate cutting-edge research, fostering interdisciplinary collaboration and innovation in healthcare informatics.

Papers are invited in the following (but not limited to) areas:

- AI-based clinical decision systems
- Biomedical natural language processing
- Large language models in health informatics
- AI ethics and regulation in healthcare
- Translational and clinical informatics
- Biomedical data science and engineering
- Medical AI for wearable and pervasive sensing
- Digital twin and cognitive AI
- AI for combating long COVID
- Digital radiology and pathology
- Single-cell and spatial omics
- Cancer genomics and immunotherapy
- Medical security and federated learning
- Behavioral and mental health informatics
- Multiscale modeling in healthcare

Submission Guidelines
Authors are invited to submit original research articles, reviews, or perspectives to this Special Issue through the J-BHI submission portal. All submissions will undergo a rigorous peer-review process. Manuscripts should adhere to J-BHI’s IEEE formatting guidelines.

Important Dates
- Submission Deadline: March 8, 2024
- Notification of Acceptance: May 24, 2024
- Final Manuscript Due: June 21, 2024