

Bioinformatics and Biomedical Engineering

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This volume constitutes the proceedings of the 13th International Conference on Bioinformatics and Biomedical Engineering, IWBBIO 2026, held in Canaria, Spain, during July 15–17, 2026. The 73 full papers presented in these volumes were carefully reviewed and selected from 132 submissions. They were organized into the following topical sections: Part I: AI, Sequencing and Computational Methods for Biomedical and Clinical Applications; Artificial Intelligence and Digital Innovative Technologies in Medical Research; Biomedicine and Biomedical Engineering; Computational Intelligence in Biomedicine and Bioinformatics. Part II: Computational systems for modelling biological processes; Efficient and Scalable Computing in Bioinformatics; Large AI Models in Biomedicine: Foundations and Applications; Machine Learning Applications in Biomedicine: Prediction and Classification; Precision Medicine and Sustainable Healthcare; Robust and Interpretable Machine Learning for Bioinformatics; The Future of Innovation: Uniting Image Processing, Computer Vision, AI/ML, and Generative AI in Various Domains; Translational and integrative Bioinformatics; Translational Medicine and Clinical Applications.

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