

*International Journal of*

# Computational Biology and Drug Design

Official Journal of International Society of Intelligent Biological Medicine

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# Scope of the Journal

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*IJCBD, an International Society of Intelligent Biological Medicine official journal, bridges the gap between two very important, complementary disciplines, computational biology and drug design. Through advances in high-throughput genome sequencing and digital imaging technologies, biocomputing, drug design and medical research have unfolded new, predictive sciences such as genomics, proteomics, lipidomics, metabolomics, cytomics and pharmaconomics. These promote new computational, statistical and biomedical approaches to drug design/development, besides unleashing the potential of significantly more accurate, effective personalised diagnosis, therapeutics and patient care.*



## Topics covered include:

- Big data analysis and tools for biological and medical data
- Drug screening, drug discovery, drug design and re-purposing
- Biomolecular dynamics, biomolecular/phylogenetic databases
- Cellular signalling/communications, cell engineering, molecular/cellular systems
- Computational epigenetics and functional genomics
- Computational approaches in virus omics and drug targets
- Machine learning, deep learning, data mining and knowledge discovery
- Metabolomics, microbiomes and lipidomics
- Modelling, simulation and optimisation of biological systems
- Non-coding RNAs and regulation
- Medical informatics and translational informatics
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- Single cell sequencing methods and analysis
- Software, tools, databases and web servers for computational biology

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