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Heter-LP: A heterogeneous label propagation algorithm and its application in drug repositioning

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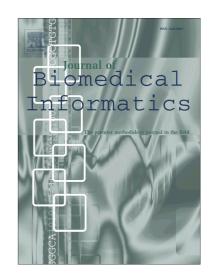
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ACCEPTED MANUSCRIPT

Heter-LP: A heterogeneous label propagation algorithm and its application in drug repositioning

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Abstract— Drug repositioning offers an effective solution to drug discovery, saving both time and resources by finding new indications for existing drugs. Typically, a drug takes effect via its protein targets in the cell. As a result, it is necessary for drug development studies to conduct an investigation into the interrelationships of drugs, protein targets, and diseases. Although previous studies have made a strong case for the effectiveness of integrative network-based methods for predicting these interrelationships, little progress has been achieved in this regard within drug repositioning research.

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