

# K-H Networks in Action

## Drug Interaction Application

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**Results for marijuana #alzheimer #buprofen**

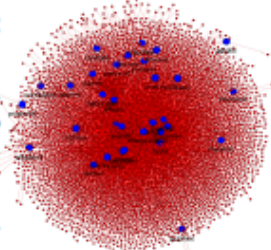
**Pure Science Labs** [PurScienceLabs](#) 28  
**HT (Healthwatch):** To test marijuana into a brain-boosting drug 4  
**#Alzheimer's**, study suggests taking it w/ **buprofen**. [bit.ly/m7m2MVE](#)  
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**420Limes** [420Limes](#) 28  
**Photo:** granulovitis **#marijuana** with a size of **alzheimer**. Rx for  
 burn-kill and **#Alzheimer's** Disease [View Post](#) [bit.ly/okZyAa-  
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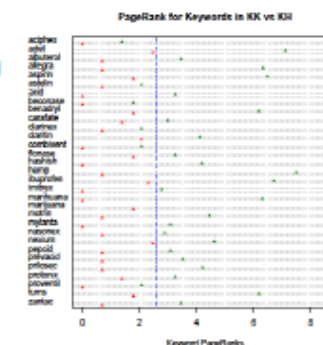
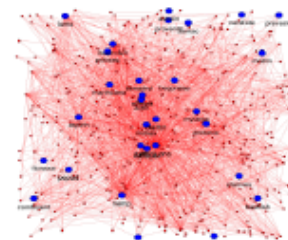
**#Alzheimer** [Alzheimer](#) 28  
**#Alzheimer** Loss From Marijuana Blocked By Buprofen; Drug Do-  
 May Halt **#Alzheimer's** Progression [marijuana.com/mari-  
 Expans](#) [Reply](#) [Retweet](#) [Favorite](#)

**Michael Rivas** [MichaelRivas2](#) 28  
**Marijuana** with a size of **buprofen**: **Smoking** **Pain** for  
**#Alzheimer's** [bit.ly/okZyAa-  
 Ust2K](#)  
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Network Construction



### Network Pruning Heuristics:

Pruned K-H  
Network

### PubMed Mapping

Mining K-H Network using  
HashPairMiner

The screenshot shows the Department of Computer Science website. A search bar contains the hashtag #PUMED. Below the search bar, there are two tabs: 'results' (selected) and 'tweets'. The results section displays a list of tweets. The first tweet is from @PUMED, stating: 'PUMED is a new journal for publishing research in the field of PUMED'. Other tweets are partially visible but mostly cut off.

## Results and Discoveries

### Storage Web Search

[illegible]

## Twitter K-H networks in action: Advancing biomedical literature for drug search

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### Abstract

The importance of searching biomedical literature for drug interaction and side-effects is apparent. Current digital libraries (e.g., PubMed) suffer infrequent tagging and metadata annotation updates. Such limitations cause absence of linking literature to new scientific evidence. This demonstrates a great deal of challenges that stand in the way of scientists when searching biomedical repositories. In this paper, we present a network mining

# New role for Twitter: Early warning system for bad drug interactions

*Date:* June 29, 2015

*Source:* University of Vermont

*Summary:* A new technique for discovering potentially dangerous drug interactions--before they show up in medical databases like PubMed-- has been developed by researchers. It includes the searching millions of tweets on Twitter.

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## FULL STORY



"I'm not a medical scientist. I work with Big Data," says Ahmed Abdeen Hamed, an interdisciplinary computer scientist who works in the University of Vermont's Social-Ecological Gaming and Simulation Lab. But he and

# Questions and connecting

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