

# Halil Kilicoglu

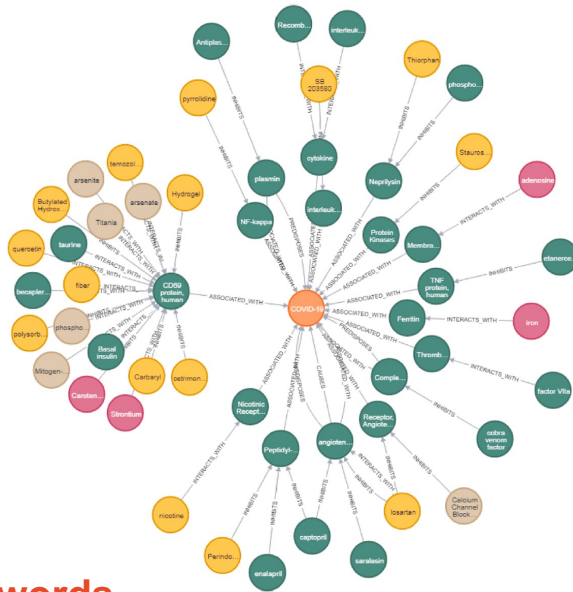
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My research uses natural language processing (NLP) and machine learning methods to develop language technologies that assist in interpreting, assessing, and synthesizing the scientific literature at scale, in order to support and enhance biomedical discovery and scholarship.



## Keywords

Natural language processing; machine learning; artificial intelligence; biomedical informatics; scientific reproducibility; data science; evidence synthesis; science of science; scholarly communication

## Research Interests

- Information extraction from the scientific literature
- Knowledge representation; knowledge graphs
- Research rigor, transparency and reproducibility
- Literature-based discovery
- Evidence synthesis

## Current Projects

- Mining the scientific literature for diet-microbiome interactions
- Computational methods for assessing rigor and transparency of randomized controlled trials
- NLP to assess and improve citation integrity in biomedical publications
- Automatic literature indexing for study designs and publication types

## Interest Areas for Collaboration/Future Work

Dr. Kilicoglu is interested in working with nutrition and food science experts and other data scientists in developing computational methods (NLP/AI) to better support evidence-based personalized nutrition.