### Highlights

* + We describe entropy-scaling search for finding approximate matches in a database
  + Search complexity is bounded in time and space by the entropy of the database
  + We make tools that enable search of three largely intractable real-world databases
  + The tools dramatically accelerate metagenomic, chemical and protein structure search

### eTOC Blurb

Yu and Daniels et al describe a general framework for efficiently searching massive data sets having certain properties common in biology.