Academic Betadiveristy and Specialization of Biological Disciplines

* Abstract
* Introduction:
  + Collaboration
  + Bridging of fields
    - Modern synthesis
  + Lack of quantitative data on collaboration
  + Network analysis
    - Measures of specialization
  + Aims
    - Which fields are most specialized?
    - Which collaborations have grown/decreased over time?
    - What fields tend to interact?
    - Which fields are forbidden links
      * Potential for future academic growth
* Methods
  + Scopus archives
  + Journal Classification
  + Defining Niche overlap
  + Search Terms
    - Temporal Search
  + Network statistics
  + Change through time
* Results
  + Specialization among fields
  + Collaboration among fields
  + Change over time
* Discussion
  + Academic networks and future for evaluation
  + Promoting collaboration and indexes through citation sharing (cites)
  + On why we see strong interaction among certain fields
  + Caveats
  + The potential for future growth