Crawling Google Scholar research terms starting from Genomics.
The area of each circle is proportional to the number of Google scholar profiles using the term that were included in the analysis. Each of the smallest circles represent 200 highly-cited researchers. The biggest circles represent over 1000 highly-cited researchers. The total analysis involved data from >33,000 highly-cited researcher profiles. Edges are formed if two terms often appear together on highly-cited Google scholar profiles. The threshold used for this graph was 9.5%. The underlying data is very high-dimensional, so the threshold is set high enough to get a reasonably flat depiction of the core relationships between terms. There is asymmetry in connections because some terms are more commonly used than others, so the number of profiles with a pair of terms is a smaller percentage of the profiles containing the more common term. Hence common terms tend to get incoming edges (Neuroscience, Evolution and Ecology, Genomics, Bioinformatics), and rarer terms get outgoing edges.