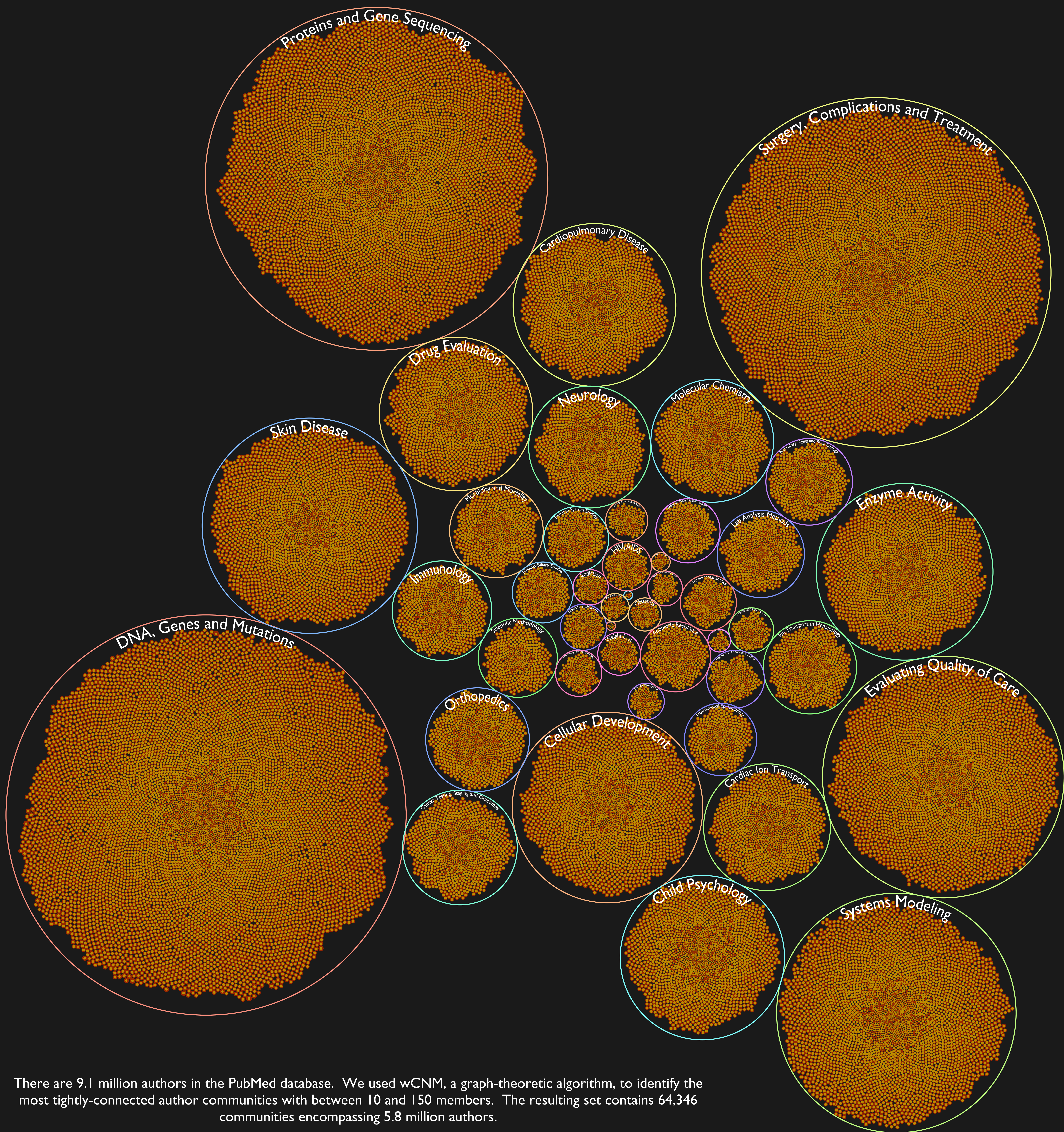


PubMed: Best-Connected Groups of Authors



There are 9.1 million authors in the PubMed database. We used wCNM, a graph-theoretic algorithm, to identify the most tightly-connected author communities with between 10 and 150 members. The resulting set contains 64,346 communities encompassing 5.8 million authors.

This image shows those communities organized according to the subject area represented most in their publications. Each large circle denotes a single subject. Each of the tiny red-and-yellow circles is a single community. The yellow and red circles indicate the number of authors in a community and the number of articles published, respectively, and are drawn at the same scale: if the article circle (red) is visible outside the author circle (yellow), the community published more than one paper for each of its members.

Image Credit: Andy Wilson, Jason Shepherd, Tom Otahal, Gloria Casale