

BIOMEDICAL DATA SCIENCE, PHD

The Biomedical Data Science, PhD program is a member of the Interdisciplinary Biological and Health Sciences Consortium (IBHSC). The consortium fosters a collaborative environment for research and study in the biological and health sciences. Click here for more information on the IBHSC. (<https://www.med.wisc.edu/education/graduate-programs/biological-health-sciences-consortium/>)

The current explosion of biomedical data provides an awesome opportunity to improve understanding of the mechanisms of disease and ultimately to improve human health care. However, fully harnessing the power of high-dimensional, heterogeneous data requires a new blend of skills including programming, data management, data analysis, and machine learning.

Blending the best of statistics and computer sciences, biostatistics and biomedical informatics, this program provides students the training they need to make sense of large-scale biomedical data, and to be scientific leaders in the team science that invariably accompanies such data. Unique features of the program include cross-training in computer science and biostatistics, and research rotations mentored by a program faculty member jointly with a scientific collaborator.