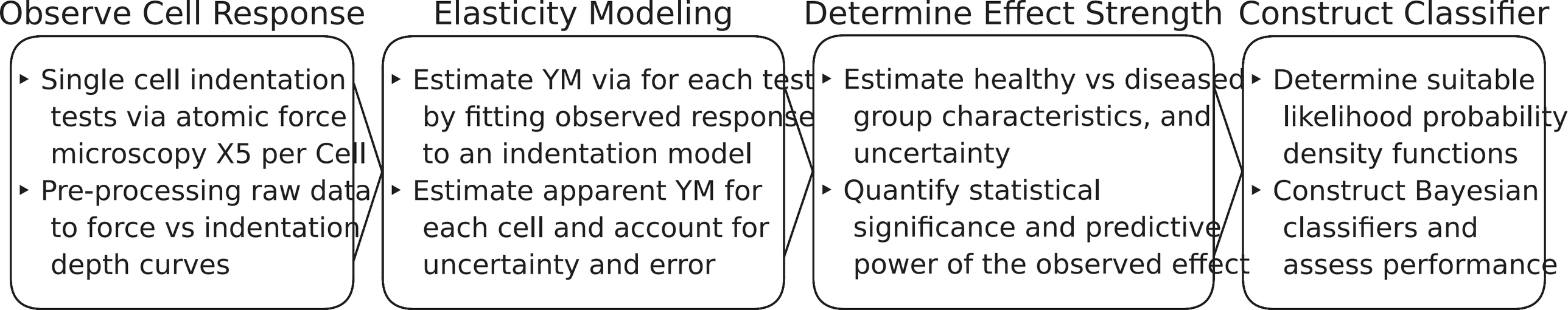
Observe Cell Response
Single cell indentation tests via atomic force microscopy X5 per Cell
Pre-processing raw data to force vs indentation depth curves
Elasticity Modeling
Estimate YM via for each test by fitting observed response to an indentation model
Estimate apparent YM for each cell and account for uncertainty and error
Determine Effect Strength
Estimate healthy vs diseased group characteristics, and uncertainty
Quantify statistical significance and predictive power of the observed effect
Construct Classifier
Determine suitable likelihood probability density functions
Construct Bayesian classifiers and assess performance