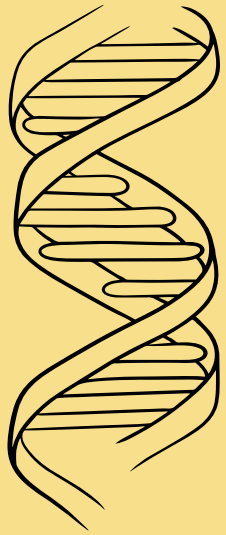
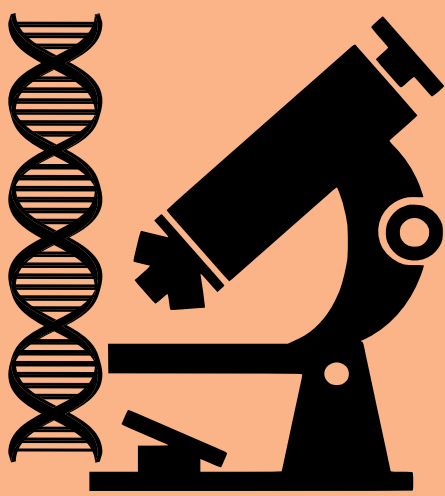


STEPS IN BIOMARKER DISCOVERY



DISCOVERY

The journey begins with a hypothesis. Scientists collect and compare samples from healthy individuals and those with specific diseases, searching for any biological differences that stand out.



ANALYSIS

When a potential biomarker is identified, it is put to the test in various conditions and populations to ensure it is consistently associated with the disease.



CLINICAL CORRELATION

The most promising biomarkers are tested in a larger, more varied group of people to validate their accuracy and reliability.



REFINEMENT & APPROVAL

Before a biomarker can be used in healthcare settings, it must undergo a rigorous process of refinement and regulatory approval. This ensures the biomarker is both safe and effective for public use.