Multi-modal AI For Translational Research & Precision Medicine

At BioAI, we develop world-leading machine learning technology to develop digital biomarker tests for patient selection and screening. The BioAI PredictX platform is capable of ingesting a range of data types, including Digital Pathology, Multiomics and Real-World Evidence. Using multimodal data, state-of-the-art AI methods, and integrated deep learning, we can build predictive and prognostic models across a wide range of therapeutic areas. BioAI has built numerous models that can be used to classify both molecular status and tissue biomarkers directly from H&E slides without the need for additional molecular or IHC testing.  PredictLung, currently in development, is an AI-powered digital test panel for NSCLC patient tumor tissue samples that can predict actionable mutations and biomarkers from H&E stained images.  This test leverages an existing H&E image (available as a standard diagnostic procedure) and is a rapid, generalizable screening test that can help guide therapy selection.