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## **McKAY ORTHOPAEDIC RESEARCH LABORATORY ORGANIZATION OVERVIEW**

The University of Pennsylvania, located in Philadelphia, has been active in orthopaedic research for many years. In 1979, The McKay Orthopaedic Research Laboratory was established, consolidating eleven separate orthopaedic laboratories in the same physical location. The McKay Laboratory occupies over 10,000 square feet consisting of twelve research suites. Current laboratories are dedicated to cell and molecular biology, cell and tissue culture, biochemistry, bioengineering, biomechanics, biophysics, and histology- all focused on musculoskeletal research.

One important goal of the Laboratory's research program is to determine fundamental relationships and mechanisms of tendon and ligament injury, healing, repair, and regeneration and to use this information to develop and evaluate potential treatments. Let's now join a research team at the McKay Lab and see how technology is being used to advance the treatment of tendon injuries.