Automated fluorescent "long read" capillary DNA sequence analysis, human cell line authentication, solid-phase oligonucleotide synthesis and help with DNA quantification and assessment.

Introduction
The DNA Services core provides high-quality, long read (Sanger) sequencing services, cell line authentication services, and access to low cost oligonucleotide synthesis services. The core maintains high-throughput instrumentation and optimized protocols to deliver these services with the support of trained and knowledgeable staff. Core staff is available for assistance with experimental design, technical guidance, and results trouble-shooting.

Services
1. DNA sequence determination (Sanger), includes DIY options and assistance with difficult templates
2. Fragment analysis
3. Cell line authentication
4. Oligonucleotide synthesis via Integrated Genomics (IDT) web portal
5. DNA quantification and size analysis

Sample Drop-Off and Pick-Up Service
- 5th floor, Richard Jones Hall (Marquam Hill)
- Loading dock, Collaborative Life Sciences Building (South Waterfront Campus)

DNA Isolation Services
DNA isolation services are available through our sister core the Gene Profiling Shared Resource, www.ohsu.edu/gpsr.

Cost Effective and Convenient
We provide guidance with sample preparation, data interpretation, and experimental design. Easy to use sample drop-off sites are available on Marquam Hill and South Waterfront Campus. Turnaround times are fast and we keep service fees as low as possible.

Equipment and Software
- Applied Biosystems 3730xL automated 48 capillary fluorescent DNA analyzer
- NanoDrop spectrophotometer
- NanoDrop 3300 fluorospectrometer
- GeneMapper software (ThermoFisher)

Getting Started
To learn more about core lab services go to www.ohsu.edu/dnaseq or contact Taylor Jones at jontay@ohsu.edu.

To request services, please login to the OHSU iLab Solutions website at: https://ohsu.corefacilities.org and select the Gene Profiling/RNA and DNA Services Shared Resource.