

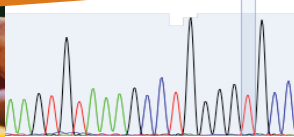
# OHSU Research Cores and Shared Resources

## DNA Services

A Unit of the Integrated Genomics Laboratory

OHSU cores are your campus technology partners dedicated to the success of your project. For optimal results, take advantage of the state-of-the-art scientific resources within the OHSU community.

[www.ohsu.edu/cores](http://www.ohsu.edu/cores)



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

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### 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](http://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](http://www.ohsu.edu/dnaseq) or contact Trevor McFarland at [mcfarlat@ohsu.edu](mailto:mcfarlat@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.