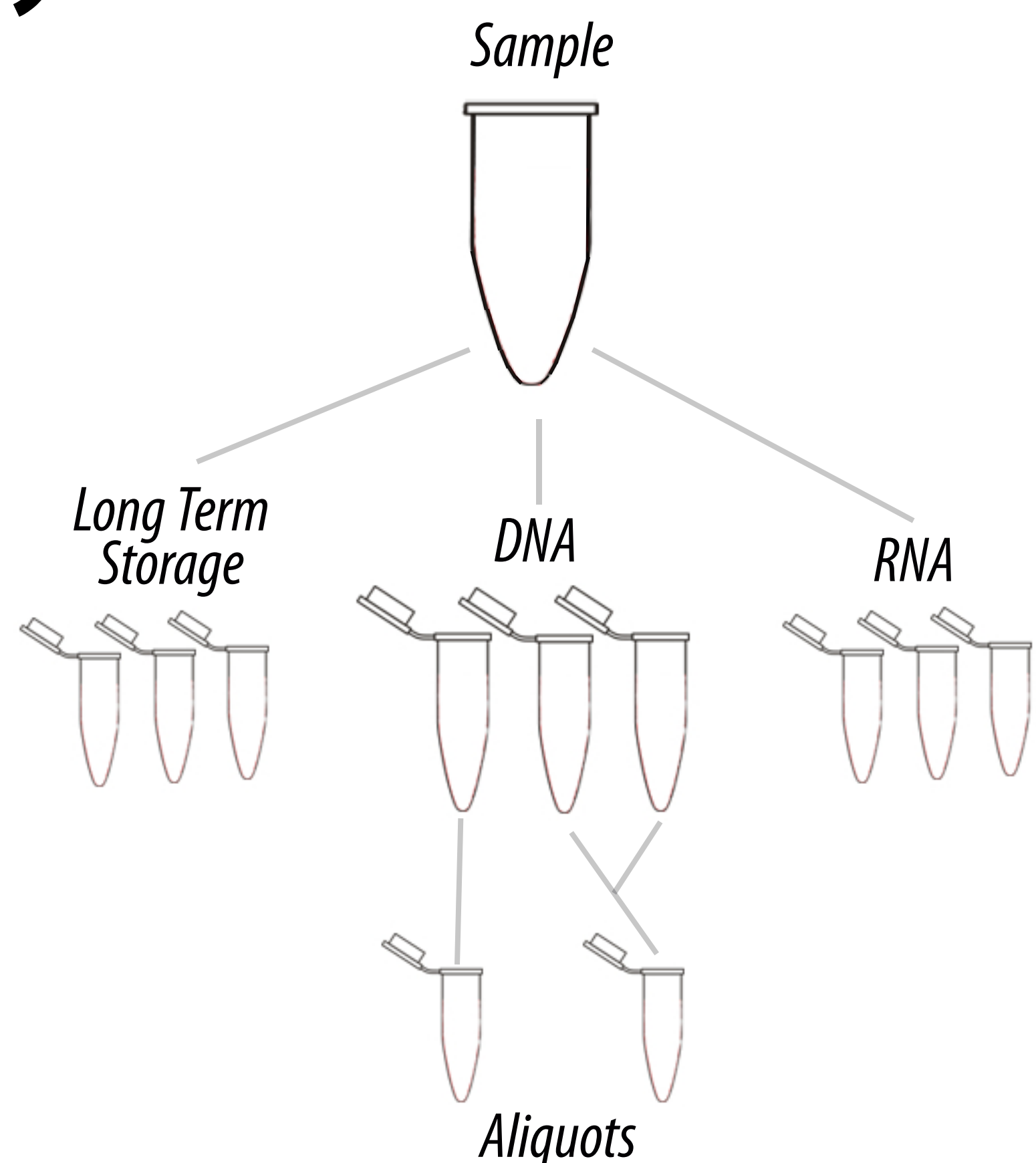


# THE MED PROJECT

## A Microbial Ecology Sample Tracking System



### About

At Fred Hutchinson Cancer Research Center, the Johanna Lampe Lab is a part of the cancer prevention program. The lab conducts studies that evaluate changes in the human gut microbial composition, due to changes in diet or disease states, and their relationship to cancer.

10,000 Study Samples

10 Lab Technicians

1 Lab Notebook

How would you know if sample **MECd097381-2** has come back from sequencing?

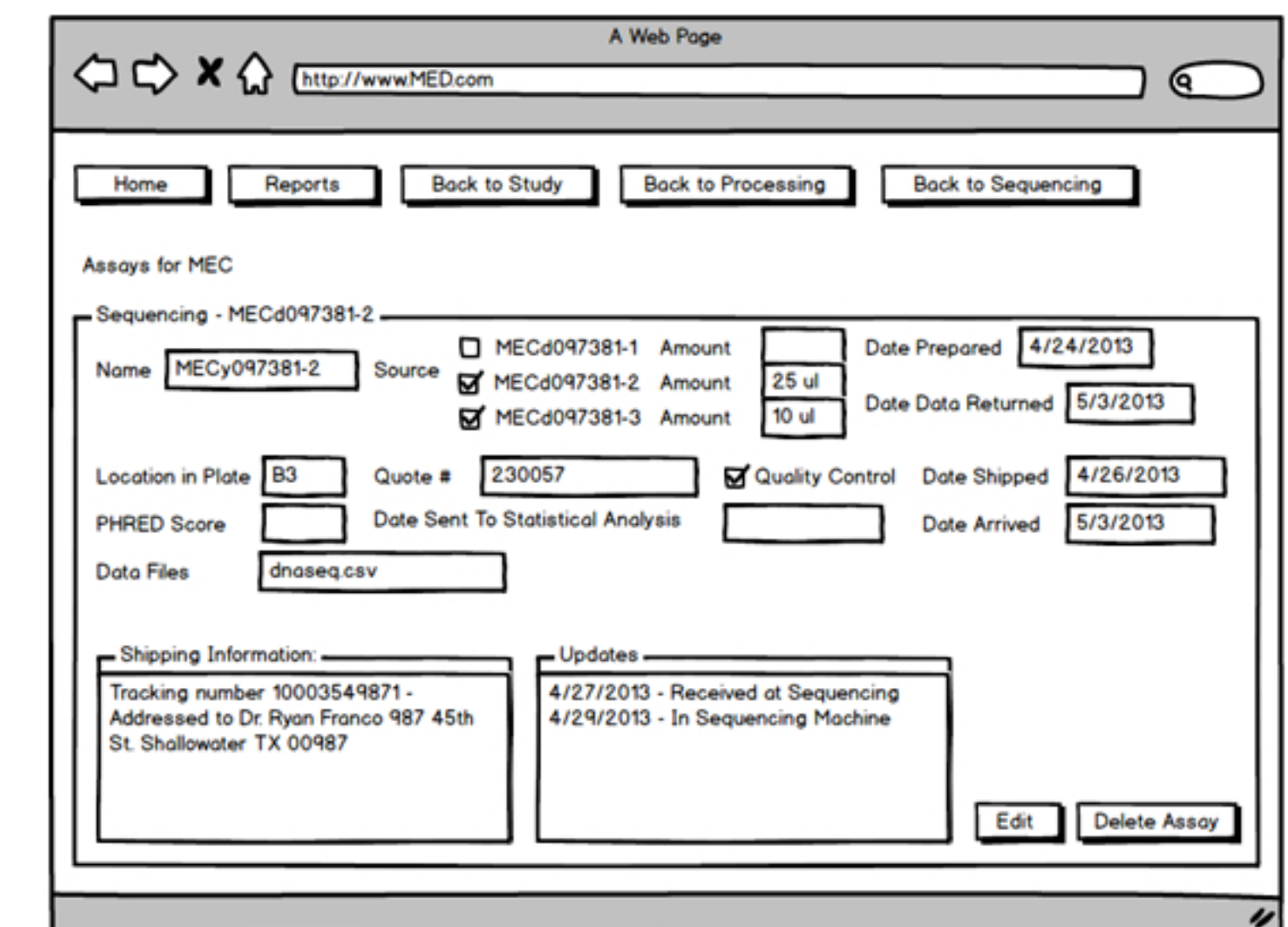
## Solution

### MED Database

- Stores and manages sample data for efficient tracking
- Performs quality controls
- Incorporates statistical automation
- Provides analytical reporting capabilities

### MED User Interface

- Structures forms for intuitive data input and retrieval
- Provides search and filter functions
- Supports user access control
- Includes change management log



UI mock-up for tracking the status of sample MECd097381-2

## Benefits

- Increased process efficiency and data integrity
- Centralized studies and associated samples
- Accurately monitored assay processing
- Automated time consuming and repetitive tasks

*"Now we can track our samples with far less confusion than our current system of lab notebooks and excel files. Having a database designed specifically for our workflow will allow us to easily record and access all of the information we need to keep track of. This is exactly what we need as the lab grows and we begin larger projects involving thousands of samples." -- Elizabeth Traylor, Lab Technician*

