Receive sample from clinic

- Acquire pathology report and diagnosis
  - Pathology images such as tissue sections

- Dissect sample

  - Perform extraction

    - Prepare sequencing library

    - Perform molecular assays such as microarrays

Prepare flow cell for sequencing

- Sequence sample(s)

  - Store sequencing quality metrics

  - Align sequence vs reference genome

  - Subsequent variant calling