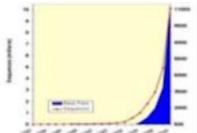
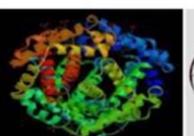


Introduction to HiSeq 2500 and MiSeq

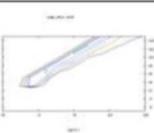
何尧 Yao He 赵博洵Boxun Zhao National Institute of Biological Science,Beijing

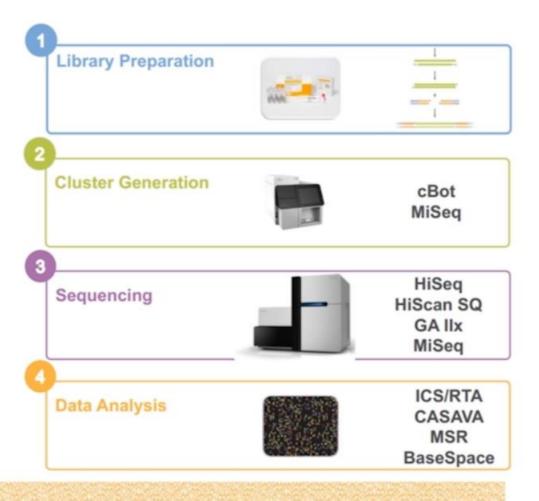




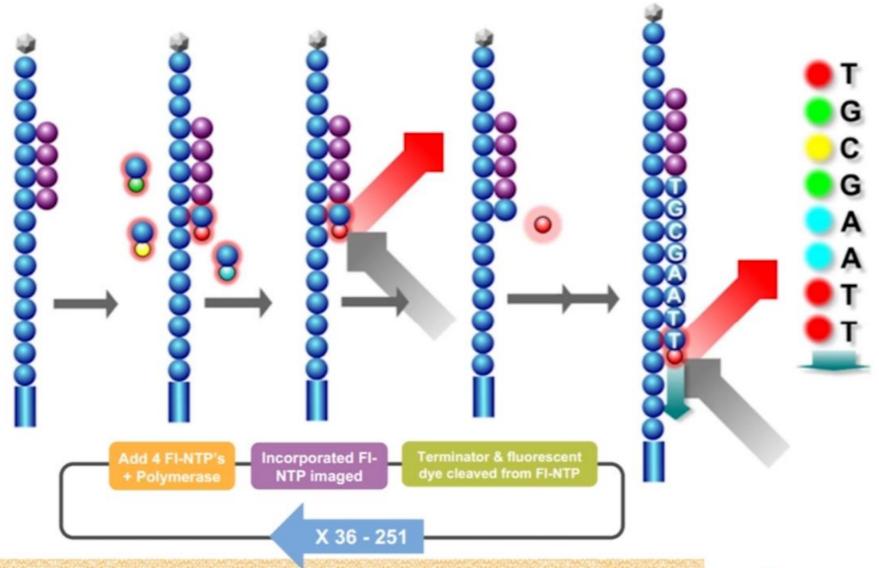


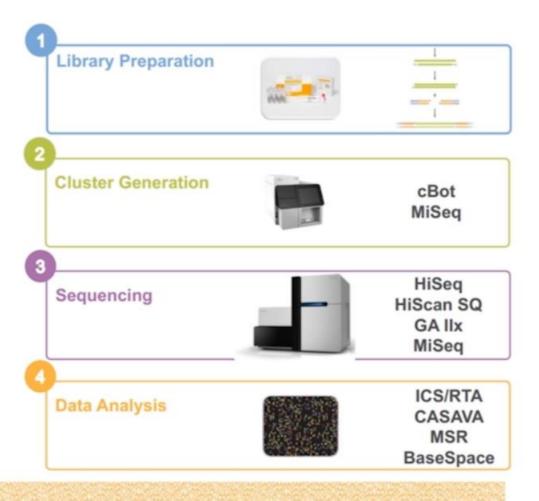


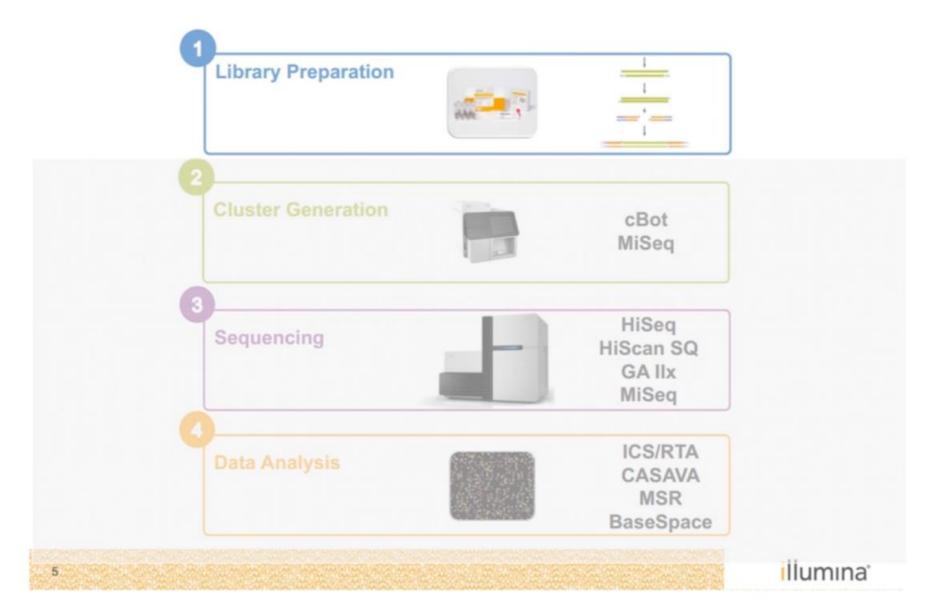




Sequencing By Synthesis







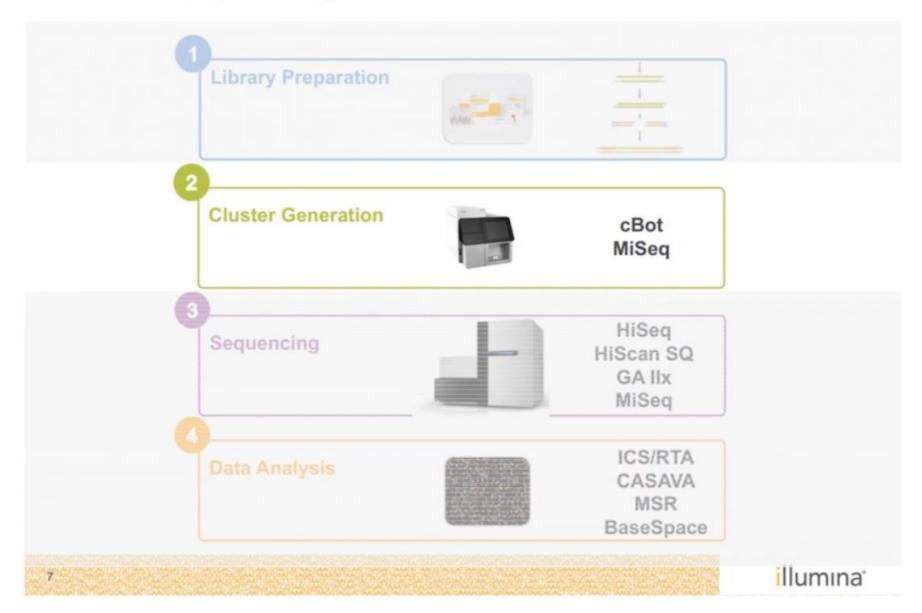
Sample Prep is Critical for Successful sequencing



Dual Index Library shown

The aim of the sample prep step is to obtain nucleic acid fragments with adapters attached on both ends



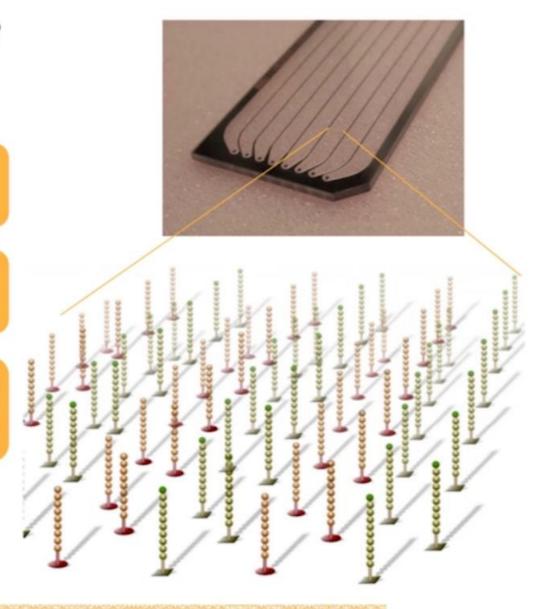


What is a Flow Cell?

Cluster generation occurs on a flow cell

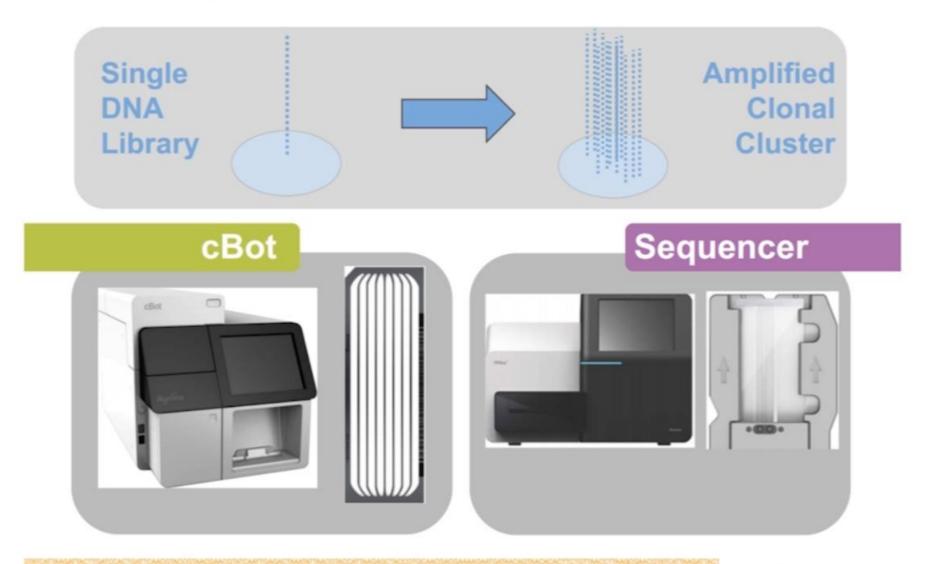
A flow cell is a thick glass slide with channels or lanes

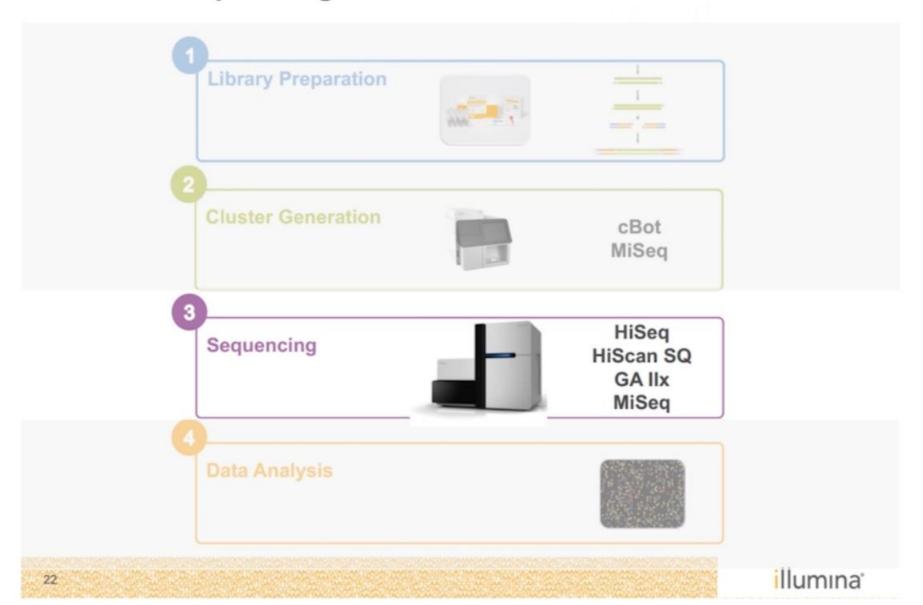
Each lane is randomly coated with a lawn of oligos that are complementary to library adapters



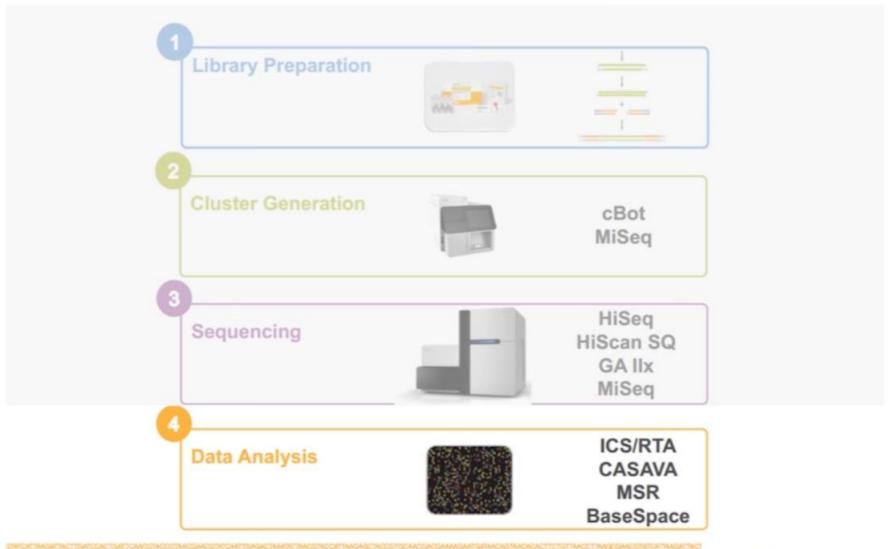


Instrumentation





Introduction to MiSeq



Primary and Secondary Analysis Overview

