

## **Facilities and Equipment - The Advanced Genomic Technologies Core of the Brain & Behavior Institute (BBI-AGTC) at University of Maryland**

The Advanced Genomic Technologies Core of the Brain & Behavior Institute (BBI-AGTC) is a full-service sequencing facility serving the University of Maryland community and external clients. Situated in the Bioscience Research Building at the heart of the life science community on campus, the mission of the BBI-AGTC is to make state-of-the-art genomic technologies accessible to researchers at a reasonable cost. Services and technologies offered include DNA and RNA qualitative and quantitative analysis, high-throughput sequencing (up to 800M reads per run), whole genome library preparation and sequencing, RNA library preparation - including stranded RNA prep with rRNA depletion, and single-cell genomic/expression profiling. Equipment includes a sequencer (Illumina NextSeq 1000), a single cell controller (10X Genomics Chromium), an automated liquid handling station (Eppendorf epMotion 5075tc), a real-time PCR machine (Roche LightCycler 96), an Agilent TapeStation 4150, and a high performance ultrasonicator for DNA shearing (Covaris SureSelect S2).