



Georgia Genomics Facility
UNIVERSITY OF GEORGIA

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The GGF will be closed on Monday, May 29th for Memorial Day

PacBio Seminar on Wednesday, April 26, 2017

See what you are missing with Single Molecule, Real-Time (SMRT®) Sequencing

Presented by Andy Larrea, Ph.D.

Location: Miller Plant Sciences Building, Room 2401

Time: 1 :00 pm to 2:20 pm

Upcoming Service: Pacbio Sequel Sequencing

- The new instrument should be installed and the service offered within a few months.
 - * In house library preparation and sequencing services
 - * Average long read length of ~10 kb
 - * Ideal for high-quality whole genome *de novo* assembly
 - * Sequence full-length transcriptomes or targeted transcripts
 - * Target regions not accessible by other technologies
 - * Go to www.pacb.com or contact GGF to learn more

New Services: Microbiomes/Metagenomics

- To support the Metagenomics and Microbiomes studies, GGF is now providing Amplicon-Seq library preparation and sequencing. The Amplicon-Seq libraries are commonly prepared from prokaryotic 16S and 18S ribosomal RNA genes and fungal ITS regions. GGF uses a generic, two-stages PCR-based protocol that is Illumina compatible and cost effective. GGF has sets of 16S, 18S, and ITS primers that have been tested and reported in the literature. Alternatively, customers can submit their preferred primers to be used in the first amplification step. For more details, please contact GGF.

Customer Success



- Drs. Megan Behringer and David Hall published: **Genome-Wide Estimates of Mutation Rates and Spectrum in *Schizosaccharomyces pombe* Indicate CpG Sites are Highly Mutagenic Despite the Absence of DNA Methylation.** *G3: Genes/Genomes/Genetics* 2016. 6:149-160.