The UF Clinical and Translational Science Institute’s Genotyping Core provides consultation on designing and performing genetics and pharmacogenetics studies, and provides genotype data for research projects. Services are offered on a fee-for-service basis (and in some circumstances, through collaboration) to researchers working on human, plant, small and large animal genetics.

Core’s Units & Services

**Center for Pharmacogenomics Genotyping Laboratory**

Provides sample handling and processing services, along with individualized single-plex through 384-plex genotyping assays

http://www.cop.ufl.edu/research/research-centers/center-for-pharmacogenomics/

- Receiving and processing different types of samples used for DNA and RNA isolation (e.g. blood, different human, animal, and plant tissues, mouthwash, saliva)
- Whole Genome Amplification of DNA
- DNA quantitation by spectrophotometer
- DNA quantitation by PicoGreen, PCR and RT-PCR reactions
- Measuring telomere length and telomerase activity
- Mutation discovery
- Genotyping by conventional RFLP method
- Low- to high-throughput genotyping techniques using platforms at the UF Center for Pharmacogenomics (e.g. Pyrosequencing, TaqMan, Illumina Veracode BeadXpress)

**Interdisciplinary Center for Biotechnology Research Molecular Services Core**

Provides sequencing and large-scale (e.g. genome-wide) genotyping services

http://www.biotech.ufl.edu/services.html

- Cutting-edge DNA sequencing services on the Roche 454 Genome Sequencer (GS) FLX™ Standard, FLX™ Titanium™ and Applied Biosystems (ABI) SOLID™ instruments
- Whole genome SNP genotyping
- Copy number/Loss of heterozygosity genotyping
- Standard panels (cancer SNP, non-synonymous human, MHC)
- Human and mouse linkage analysis panels
- GoldenGate custom panels
- iSelect custom panels on Illumina BeadStation 500G Genotyping System

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**About the CTSI**

The UF CTSI works on many fronts to improve research and health. It provides resources for research teams, career development programs, pilot project funding and an extensive network of local, state and national partners.

**CTSI Web Portal**

Visit the CTSI’s website for information about additional programs and research services: www.ctsi.ufl.edu.

**CTSI Listserv**

Subscribe to the CTSI listserv by emailing Claire Baralt at cbaralt@ufl.edu.

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