

# University of Arizona Genetics Core



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The University of Arizona Genetics Core, or UAGC, processes biological materials including tissue, blood, cells, DNA or RNA and produces genetic data such as DNA sequences, mutational profiles, transgenic state and gene expression analysis. The UAGC offers single services or can custom tailor a workflow which combines a suite of services designed to satisfy a researcher's project goals.

The UAGC is a high throughput, automated facility that can accept projects with more than 100,000 samples. Its staff is highly experienced and can provide sample-to-results testing for researchers.

The UAGC houses equipment including DNA sequencers, liquid handlers, MassArray MALDI-TOF(Agena), RT-PCR (ABI), nCounter (Nanostring), Kingfisher/BioSprint DNA Extraction Robots (ThermoFisher/Qiagen), Fragment Analyzer (Advanced Analytics), Bioanalyzer 2100 (Agilent) and Next Generation Sequencing platforms (Illumina).

The UAGC regularly works with researchers in the University community, including those at the College of Science, College of Agriculture and Life Sciences, College of Medicine, and College of Pharmacy, as well as industry partners dedicated to research and development in pharmaceuticals, the environment, agriculture, and animal husbandry.

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#### Contact

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