Resource Summary Report

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Arizona Genetics Core

RRID:SCR_012429
Type: Tool

Proper Citation

Arizona Genetics Core (RRID:SCR_012429)

Resource Information

URL: https://azgc.arizona.edu

Proper Citation: Arizona Genetics Core (RRID:SCR_012429)

Description: Core provides molecular biotechnology services and current molecular genetic methods. Services include DNA and RNA Extraction, transgenic mouse genotyping, Human Cell line Authentication, Sanger DNA Sequencing, Next-Generation sequencing platforms, Microsatellite DNA Typing, Agena multiplex SNP Genotyping, Real-time PCR, NanoString Gene Expression Analysis. Specializes in custom workflows that couple services with specific research needs.

Abbreviations: AZGC

Synonyms: UA Genetics Core, University of Arizona Genetics Core, Arizona Genetics Core

Resource Type: access service resource, service resource, core facility

Keywords: Molecular biotechnology service, molecular genetic service, DNA extraction, RNA extraction, transgenic mouse genotyping, human cell line authentication, Sanger DNA sequencing, next generation sequencing, RT PCR, NanoString gene expression analysis, ABRF, USEDit

Availability: Restricted

Resource Name: Arizona Genetics Core

Resource ID: SCR_012429

Alternate IDs: SCR_018205, ABRF_388, SciEx_135

Alternate URLs: https://coremarketplace.org?FacilityID=388

Old URLs: http://www.scienceexchange.com/facilities/university-of-arizona-genetics-core-arizona

Record Creation Time: 20220129T080310+0000

Record Last Update: 20260729T044307+0000

Ratings and Alerts

No rating or validation information has been found for Arizona Genetics Core.

No alerts have been found for Arizona Genetics Core.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 23 mentions in open access literature.

Listed below are recent publications. The full list is available at T1D .

Castanha PMS, et al. (2025) Genetic ancestry shapes dengue virus infection in human skin explants. Proceedings of the National Academy of Sciences of the United States of America, 122(28), e2502793122.

Thurman MA, et al. (2025) Biofluorescence as a tool to resolve crypsis in two bonefish species, Albula goreensis and Albula vulpes, with comments on other external morphology. Journal of fish biology.

Byrne AQ, et al. (2025) Whole-genome assembly of Aspergillus toxicus and Aspergillus texensis. Microbiology resource announcements, 14(7), e0103324.

Williams KB, et al. (2025) Pharmacogenomic synthetic lethal screens reveal hidden vulnerabilities and new therapeutic approaches for treatment of NF1-associated tumors. Molecular cancer therapeutics.

Whinnery C, et al. (2024) CD59 Protects Primary Human Cerebrovascular Smooth Muscle Cells from Cytolytic Membrane Attack Complex. Research square.

Mendonca D, et al. (2024) Generation of five induced pluripotent stem cell lines from patients with MECP2 Duplication Syndrome. Stem cell research, 74, 103292.

Legan AW, et al. (2024) Telomere-to-telomere genome assembly of the aflatoxin biocontrol agent Aspergillus flavus isolate La3279 isolated from maize in Nigeria. Microbiology resource announcements, 13(3), e0069623.

Oluwalana D, et al. (2024) Biological activity of a stable 6-aryl-2-benzoyl-pyridine colchicine-binding site inhibitor, 60c, in metastatic, triple-negative breast cancer. Cancer

letters, 597, 217011.

Mbah NE, et al. (2024) Therapeutic targeting of differentiation-state dependent metabolic vulnerabilities in diffuse midline glioma. Nature communications, 15(1), 8983.

Persenaire C, et al. (2024) VDX-111, a novel small molecule, induces necroptosis to inhibit ovarian cancer progression. Molecular carcinogenesis, 63(7), 1248.

Nguyen LL, et al. (2024) Combining EHMT and PARP Inhibition: A Strategy to Diminish Therapy-Resistant Ovarian Cancer Tumor Growth while Stimulating Immune Activation. Molecular cancer therapeutics, 23(9), 1332???1347.

Whinnery CD, et al. (2024) CD59 Protects Primary Human Cerebrovascular Smooth Muscle Cells from Cytolytic Membrane Attack Complex. Brain sciences, 14(6).

Zhang T, et al. (2024) Mitf, with Yki and STRIPAK-PP2A, is a key determinant of form and fate in the progenitor epithelium of the Drosophila eye. European journal of cell biology, 103(2), 151421.

Nguyen LL, et al. (2024) EHMT1/2 Inhibition Promotes Regression of Therapy-Resistant Ovarian Cancer Tumors in a CD8 T-cell-Dependent Manner. Molecular cancer research : MCR, 22(12), 1117.

Schaal DL, et al. (2024) Epstein-Barr virus replication within differentiated epithelia requires pRb sequestration of activator E2F transcription factors. Journal of virology, 98(10), e0099524.

Nguyen LL, et al. (2023) Combinatory EHMT and PARP inhibition induces an interferon response and a CD8 T cell-dependent tumor regression in PARP inhibitor-resistant models. bioRxiv : the preprint server for biology.

Paxson AI, et al. (2023) Phenotype plasticity and altered sensitivity to chemotherapeutic agents in aggressive prostate cancer cells. Frontiers in cell and developmental biology, 11, 1285372.

Legan AW, et al. (2023) Complete genome of the toxic mold Aspergillus pseudotamarii isolate NRRL 25517 reveals genomic instability of the aflatoxin biosynthesis cluster. G3 (Bethesda, Md.), 13(9).

Ahmed NS, et al. (2021) Fusion protein EWS-FLI1 is incorporated into a protein granule in cells. RNA (New York, N.Y.), 27(8), 920.

Chaudhary S, et al. (2021) Dual blockade of EGFR and CDK4/6 delays head and neck squamous cell carcinoma progression by inducing metabolic rewiring. Cancer letters, 510, 79.