

Resource Summary Report

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BIOQUANT Life Science

RRID:SCR_016423

Type: Tool

Proper Citation

BIOQUANT Life Science (RRID:SCR_016423)

Resource Information

URL: <https://lifescience.bioquant.com/>

Proper Citation: BIOQUANT Life Science (RRID:SCR_016423)

Description: Software tool to collect and analyse data on images of tissue slides or well plates. Supports high-throughput immunofluorescence and immunohistochemistry, stereology, densitometry, and 3D modeling. Used in bioscience research in animal models and human biopsy, developmental neuroscience, traumatic brain/spinal cord injury, glaucoma, eye-movement disorders, cardiovascular disease and muscle disorders.

Resource Type: software toolkit, software application, data processing software, data analysis software, image analysis software, software resource

Keywords: BioQuant Inc., collect, analyse, data, tissue, slide, well, plate, capture, camera, scanned, image, immunofluorescence, immunohistochemistry, stereology, densitometry, 3D modeling

Availability: Commercially available, Tutoring available

Resource Name: BIOQUANT Life Science

Resource ID: SCR_016423

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260804T043625+0000

Ratings and Alerts

No rating or validation information has been found for BIOQUANT Life Science.

No alerts have been found for BIOQUANT Life Science.

Data and Source Information

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Mendell JR, et al. (2024) Gene therapy with bidridistrogene xeboparvovec for limb-girdle muscular dystrophy type 2E/R4: phase 1/2 trial results. *Nature medicine*, 30(1), 199.

Kim AS, et al. (2024) Temporal patterns of osteoclast formation and activity following withdrawal of RANKL inhibition. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 39(4), 484.

Potter RA, et al. (2023) Expression and function of four AAV-based constructs for dystrophin restoration in the mdx mouse model of Duchenne muscular dystrophy. *Biology open*, 12(9).

Langsten KL, et al. (2023) A Novel Metastatic Estrogen Receptor-Expressing Breast Cancer Model with Antiestrogen Responsiveness. *Cancers*, 15(24).

Sun J, et al. (2022) Bio-clickable mussel-inspired peptides improve titanium-based material osseointegration synergistically with immunopolarization-regulation. *Bioactive materials*, 9, 1.

Foster BM, et al. (2022) Bone Marrow-Derived Stem Cell Factor Regulates Prostate Cancer-Induced Shifts in Pre-Metastatic Niche Composition. *Frontiers in oncology*, 12, 855188.

Kang J, et al. (2021) Protocols for assessing neurodegenerative phenotypes in Alzheimer's mouse models. *STAR protocols*, 2(3), 100654.

Almeida MF, et al. (2021) Distinct and dementia-related synaptopathy in the hippocampus after military blast exposures. *Brain pathology (Zurich, Switzerland)*, 31(3), e12936.

Wei Y, et al. (2021) Phospholipase A2 inhibitor-loaded micellar nanoparticles attenuate inflammation and mitigate osteoarthritis progression. *Science advances*, 7(15).

Kerr BA, et al. (2021) Kindlin-3 mutation in mesenchymal stem cells results in enhanced chondrogenesis. *Experimental cell research*, 399(2), 112456.

Sabol HM, et al. (2021) Targeting Notch Inhibitors to the Myeloma Bone Marrow Niche Decreases Tumor Growth and Bone Destruction without Gut Toxicity. *Cancer research*, 81(19), 5102.

Zou W, et al. (2020) Ablation of Fat Cells in Adult Mice Induces Massive Bone Gain. *Cell metabolism*, 32(5), 801.

Lee SH, et al. (2020) APP Family Regulates Neuronal Excitability and Synaptic Plasticity but Not Neuronal Survival. *Neuron*, 108(4), 676.

Ling SC, et al. (2019) Overriding FUS autoregulation in mice triggers gain-of-toxic dysfunctions in RNA metabolism and autophagy-lysosome axis. *eLife*, 8.

Yao Q, et al. (2019) Suppressing Mitochondrial Respiration Is Critical for Hypoxia Tolerance in the Fetal Growth Plate. *Developmental cell*, 49(5), 748.

Wang S, et al. (2019) Epigenetic Compensation Promotes Liver Regeneration. *Developmental cell*, 50(1), 43.

López-Erauskin J, et al. (2018) ALS/FTD-Linked Mutation in FUS Suppresses Intra-axonal Protein Synthesis and Drives Disease Without Nuclear Loss-of-Function of FUS. *Neuron*, 100(4), 816.

Mendell JR, et al. (2013) Eteplirsen for the treatment of Duchenne muscular dystrophy. *Annals of neurology*, 74(5), 637.

Mandal CC, et al. (2010) Fish oil prevents breast cancer cell metastasis to bone. *Biochemical and biophysical research communications*, 402(4), 602.