

Resource Summary Report

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The Eye Lab Image Database

RRID:SCR_002038

Type: Tool

Proper Citation

The Eye Lab Image Database (RRID:SCR_002038)

Resource Information

URL: http://eyelab.biostr.washington.edu/repos/eyelab_repo/

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Description: The Image Repository contains a collection of images produced by the research of John Clark's Eye Lab. Experiments include: Irradiated CP49 KO and wildtype, Hypothesis: CP49 KO mice will be more sensitive to X-irradiation than controls Huntington Mice Cataract ID, Hypothesis: Individuals can be identified by the pattern of their cataract. Alpha-Synuclein Mice, Hypothesis: Mice transgenic for the EGFP-tagged, mutant and WT strains of human alpha-synuclein gene, will provide a model for the testing of drugs on aggregation of the protein. alpha B Crystallin/SPARC DKO, Hypothesis: The absence of the chaperone protein, alpha B-Crystallin, causes a greater intensity and earlier onset in the opacifying effects of an absence of the extracellular protein, SPARC. Survey of SPARC KO and WT Survey of SPARC KO and WT Mice The repository is being built through a collaboration between the University of Washington's Department of Biological Structure, led by John Clark, and the Structural Informatics Group, led by Jim Brinkley. As an aim of the Biomedical Information Sciences Technology Initiative (BISTI), members of the Structural Informatics Group have been talking with biomedical researchers to find out their informatics needs. Tools such as this repository are being created in response to those needs. This web tool allows the researchers to add their images to a repository facilitating the organization and management of their data.

Synonyms: The Eye Lab

Resource Type: data or information resource, database

Keywords: eye, alpha b-crystallin, alpha-synuclein, cataracts, cp49 ko, huntington, images, lens, mice, sparc, FASEB list

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: The Eye Lab Image Database

Resource ID: SCR_002038

Alternate IDs: nif-0000-11980

Record Creation Time: 20220129T080211+0000

Record Last Update: 20260829T182920+0000

Ratings and Alerts

No rating or validation information has been found for The Eye Lab Image Database.

No alerts have been found for The Eye Lab Image Database.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 37 mentions in open access literature.

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

Hamouda MM, et al. (2023) Growth, physiological, and molecular responses of three phaeophyte extracts on salt-stressed pea (*Pisum sativum* L.) seedlings. *Journal, genetic engineering & biotechnology*, 21(1), 32.

Martin GM, et al. (2023) Profound structural conservation of chemically cross-linked HIV-1 envelope glycoprotein experimental vaccine antigens. *NPJ vaccines*, 8(1), 101.

Abdullah HHAM, et al. (2021) Multiple vector-borne pathogens of domestic animals in Egypt. *PLoS neglected tropical diseases*, 15(9), e0009767.

He M, et al. (2021) Agrin expression is correlated with tumor development and poor prognosis in cholangiocarcinoma. *The Journal of international medical research*, 49(5), 3000605211009722.

Tang L, et al. (2021) MSTN is a key mediator for low-intensity pulsed ultrasound preventing bone loss in hindlimb-suspended rats. *Bone*, 143, 115610.

Xin C, et al. (2020) Irisin Attenuates Myocardial Ischemia/Reperfusion Injury and Improves Mitochondrial Function Through AMPK Pathway in Diabetic Mice. *Frontiers in pharmacology*, 11, 565160.

Foster AD, et al. (2020) ALS-associated TBK1 variant p.G175S is defective in phosphorylation of p62 and impacts TBK1-mediated signalling and TDP-43 autophagic degradation. *Molecular and cellular neurosciences*, 108, 103539.

Lian K, et al. (2020) PP2Cm overexpression alleviates MI/R injury mediated by a BCAA catabolism defect and oxidative stress in diabetic mice. *European journal of pharmacology*, 866, 172796.

Patel DN, et al. (2019) Characterization of low molecular weight urinary proteins at varying time intervals in type 2 diabetes mellitus and diabetic nephropathy patients. *Diabetology & metabolic syndrome*, 11, 39.

Foster A, et al. (2019) An FTLD-associated SQSTM1 variant impacts Nrf2 and NF- κ B signalling and is associated with reduced phosphorylation of p62. *Molecular and cellular neurosciences*, 98, 32.

Tubon I, et al. (2019) In Vitro Anti-Inflammatory Effect of *Salvia sagittata* Ethanolic Extract on Primary Cultures of Porcine Aortic Endothelial Cells. *Oxidative medicine and cellular longevity*, 2019, 6829173.

Hamouda M, et al. (2019) Molecular analysis of genetic diversity in population of *Silybum marianum* (L.) Gaertn in Egypt. *Journal, genetic engineering & biotechnology*, 17(1), 12.

Niranjan SB, et al. (2019) Recombinant irisin induces weight loss in high fat DIO mice through increase in energy consumption and thermogenesis. *Biochemical and biophysical research communications*, 519(2), 422.

Abdullah HHAM, et al. (2019) Q fever: A neglected disease of camels in Giza and Cairo Provinces, Egypt. *Veterinary world*, 12(12), 1945.

Abdullah HHAM, et al. (2018) Molecular and immunological characterization of *Hyalomma dromedarii* and *Hyalomma excavatum* (Acari: Ixodidae) vectors of Q fever in camels. *Veterinary world*, 11(8), 1109.

Wang B, et al. (2017) Aerobic exercise protects against pressure overload-induced cardiac dysfunction and hypertrophy via β 3-AR-nNOS-NO activation. *PLoS one*, 12(6), e0179648.

Ghosh N, et al. (2017) Attenuation of *Helicobacter pylori*-induced gastric inflammation by prior cag- strain (AM1) infection in C57BL/6 mice. *Gut pathogens*, 9, 14.

Lazo-de-la-Vega-Monroy ML, et al. (2017) 11 beta-hydroxysteroid dehydrogenase 2 promoter methylation is associated with placental protein expression in small for gestational age newborns. *Steroids*, 124, 60.

Yang L, et al. (2016) SIRT3 Deficiency Induces Endothelial Insulin Resistance and Blunts Endothelial-Dependent Vasorelaxation in Mice and Human with Obesity. *Scientific reports*, 6, 23366.

Wu B, et al. (2016) Aldehyde dehydrogenase 2 activation in aged heart improves the autophagy by reducing the carbonyl modification on SIRT1. *Oncotarget*, 7(3), 2175.