

VDRC publications 2021 (total 470)

Genome-wide phenotypic RNAi screen in the *Drosophila* wing: global parameters.

López-Varea A, Ostalé CM, Vega-Cuesta P, Ruiz-Gómez A, Organista MF, Martín M, Hevia CF, Molnar C, de Celis J, Culi J, Esteban N, de Celis JF.

G3 (Bethesda). 2021 Dec 8;11(12):jkab351. doi: 10.1093/g3journal/jkab351.

PMID: 34599819

<https://pubmed.ncbi.nlm.nih.gov/34599819/>

A large-scale transgenic RNAi screen identifies transcription factors that modulate myofiber size in *Drosophila*.

Graca FA, Sheffield N, Puppa M, Finkelstein D, Hunt LC, Demontis F.

PLoS Genet. 2021 Nov 15;17(11):e1009926. doi: 10.1371/journal.pgen.1009926. eCollection 2021 Nov.

PMID: 34780463

<https://pubmed.ncbi.nlm.nih.gov/34780463/>

Genome-wide phenotypic RNAi screen in the *Drosophila* wing: phenotypic description of functional classes.

López-Varea A, Vega-Cuesta P, Ruiz-Gómez A, Ostalé CM, Molnar C, Hevia CF, Martín M, Organista MF, de Celis J, Culi J, Esteban N, de Celis JF.

G3 (Bethesda). 2021 Dec 8;11(12):jkab349. doi: 10.1093/g3journal/jkab349.

PMID: 34599810

<https://pubmed.ncbi.nlm.nih.gov/34599810/>

A Candidate RNAi Screen Reveals Diverse RNA-Binding Protein Phenotypes in *Drosophila* Flight Muscle.

Kao SY, Nikonova E, Chaabane S, Sabani A, Martitz A, Wittner A, Heemken J, Straub T, Spletter ML. Cells. 2021 Sep 22;10(10):2505. doi: 10.3390/cells10102505.

PMID: 34685485

<https://pubmed.ncbi.nlm.nih.gov/34685485/>

An RNAi screen of the kinome in epithelial follicle cells of the *Drosophila melanogaster* ovary reveals genes required for proper germline death and clearance.

Lebo DPV, Chirn A, Taylor JD, Levan A, Doerre Torres V, Agreda E, Serizier SB, Lord AK, Jenkins VK, McCall K.

G3 (Bethesda). 2021 Feb 9;11(2):jkaa066. doi: 10.1093/g3journal/jkaa066.

PMID: 33693600

<https://pubmed.ncbi.nlm.nih.gov/33693600/>

Pilot RNAi Screen in *Drosophila* Neural Stem Cell Lineages to Identify Novel Tumor Suppressor Genes Involved in Asymmetric Cell Division.

Manzanero-Ortiz S, de Torres-Jurado A, Hernández-Rojas R, Carmena A.

Int J Mol Sci. 2021 Oct 20;22(21):11332. doi: 10.3390/ijms222111332.

PMID: 34768763

<https://pubmed.ncbi.nlm.nih.gov/34768763/>

Myofibril and mitochondria morphogenesis are coordinated by a mechanical feedback mechanism in muscle.

Avellaneda J, Rodier C, Daian F, Brouilly N, Rival T, Luis NM, Schnorrer F.
Nat Commun. 2021 Apr 7;12(1):2091. doi: 10.1038/s41467-021-22058-7.
PMID: 33828099
<https://pubmed.ncbi.nlm.nih.gov/33828099/>

Unc13A and Unc13B contribute to the decoding of distinct sensory information in Drosophila.

Pooryasin A, Maglione M, Schubert M, Matkovic-Rachid T, Hasheminasab SM, Pech U, Fiala A, Mielke T, Sigrist SJ.
Nat Commun. 2021 Mar 26;12(1):1932. doi: 10.1038/s41467-021-22180-6.
PMID: 33771998
<https://pubmed.ncbi.nlm.nih.gov/33771998/>

Female-biased upregulation of insulin pathway activity mediates the sex difference in Drosophila body size plasticity.

Millington JW, Brownrigg GP, Chao C, Sun Z, Basner-Collins PJ, Wat LW, Hudry B, Miguel-Aliaga I, Rideout EJ.
Elife. 2021 Jan 15;10:e58341. doi: 10.7554/eLife.58341.
PMID: 3344826
<https://pubmed.ncbi.nlm.nih.gov/33448263/>

Coordination of tumor growth and host wasting by tumor-derived Upd3.

Ding G, Xiang X, Hu Y, Xiao G, Chen Y, Binari R, Comjean A, Li J, Rushworth E, Fu Z, Mohr SE, Perrimon N, Song W.
Cell Rep. 2021 Aug 17;36(7):109553. doi: 10.1016/j.celrep.2021.109553.
PMID: 34407411
<https://pubmed.ncbi.nlm.nih.gov/34407411/>

MicroRNA-133 Targets Phosphodiesterase 1C in Drosophila and Human Oral Cancer Cells to Regulate Epithelial-Mesenchymal Transition.

Jung JE, Lee JY, Park HR, Kang JW, Kim YH, Lee JH.
J Cancer. 2021 Jul 3;12(17):5296-5309. doi: 10.7150/jca.56138. eCollection 2021.
PMID: 34335946
<https://pubmed.ncbi.nlm.nih.gov/34335946/>

Tumour-derived Dilp8/INSL3 induces cancer anorexia by regulating feeding neuropeptides via Lgr3/8 in the brain.

Yeom E, Shin H, Yoo W, Jun E, Kim S, Hong SH, Kwon DW, Ryu TH, Suh JM, Kim SC, Lee KS, Yu K.
Nat Cell Biol. 2021 Feb;23(2):172-183. doi: 10.1038/s41556-020-00628-z. Epub 2021 Feb 8.
PMID: 33558728
<https://pubmed.ncbi.nlm.nih.gov/33558728/>

R7 photoreceptor axon targeting depends on the relative levels of lost and found expression in R7 and its synaptic partners.

Douthit J, Hairston A, Lee G, Morrison CA, Holguera I, Treisman JE.
Elife. 2021 May 18;10:e65895. doi: 10.7554/eLife.65895.
PMID: 34003117
<https://pubmed.ncbi.nlm.nih.gov/34003117/>

Polyploid mitosis and depolyploidization promote chromosomal instability and tumor progression in a Notch-induced tumor model.

Wang XF, Yang SA, Gong S, Chang CH, Portilla JM, Chatterjee D, Irianto J, Bao H, Huang YC, Deng WM. *Dev Cell*. 2021 Jul 12;56(13):1976-1988.e4. doi: 10.1016/j.devcel.2021.05.017. Epub 2021 Jun 18.

PMID: 34146466

<https://pubmed.ncbi.nlm.nih.gov/34146466/>

Tumor-derived MMPs regulate cachexia in a *Drosophila* cancer model.

Lodge W, Zavortink M, Golenkina S, Froidi F, Dark C, Cheung S, Parker BL, Blazev R, Bakopoulos D, Christie EL, Wimmer VC, Duckworth BC, Richardson HE, Cheng LY.

Dev Cell. 2021 Sep 27;56(18):2664-2680.e6. doi: 10.1016/j.devcel.2021.08.008. Epub 2021 Sep 1.

PMID: 34473940

<https://pubmed.ncbi.nlm.nih.gov/34473940/>

Competitive coordination of the dual roles of the Hedgehog co-receptor in homophilic adhesion and signal reception.

Yang S, Zhang Y, Yang C, Wu X, El Oud SM, Chen R, Cai X, Wu XS, Lan G, Zheng X.

Elife. 2021 May 18;10:e65770. doi: 10.7554/eLife.65770.

PMID: 34003115

<https://pubmed.ncbi.nlm.nih.gov/34003115/>

Actin-dependent membrane polarization reveals the mechanical nature of the neuroblast polarity cycle.

LaFoya B, Prehoda KE.

Cell Rep. 2021 May 18;35(7):109146. doi: 10.1016/j.celrep.2021.109146.

PMID: 34010656

<https://pubmed.ncbi.nlm.nih.gov/34010656/>

The DEAD-box helicase DDX56 is a conserved stemness regulator in normal and cancer stem cells.

Pryszlak M, Wiggans M, Chen X, Jaramillo JE, Burns SE, Richards LM, Pugh TJ, Kaplan DR, Huang X, Dirks PB, Pearson BJ.

Cell Rep. 2021 Mar 30;34(13):108903. doi: 10.1016/j.celrep.2021.108903.

PMID: 33789112

<https://pubmed.ncbi.nlm.nih.gov/33789112/>

Remodelling of oxygen-transporting tracheoles drives intestinal regeneration and tumorigenesis in *Drosophila*.

Tamamouna V, Rahman MM, Petersson M, Charalambous I, Kux K, Mainor H, Bolender V, Isbilir B, Edgar BA, Pitsouli C.

Nat Cell Biol. 2021 May;23(5):497-510. doi: 10.1038/s41556-021-00674-1. Epub 2021 May 10.

PMID: 33972730

<https://pubmed.ncbi.nlm.nih.gov/33972730/>

Antagonistic control of myofiber size and muscle protein quality control by the ubiquitin ligase UBR4 during aging.

Hunt LC, Schadeberg B, Stover J, Haugen B, Pagala V, Wang YD, Puglise J, Barton ER, Peng J, Demontis F.

Nat Commun. 2021 Mar 3;12(1):1418. doi: 10.1038/s41467-021-21738-8.

PMID: 33658508

<https://pubmed.ncbi.nlm.nih.gov/33658508/>

V-ATPase controls tumor growth and autophagy in a Drosophila model of gliomagenesis.

Formica M, Storaci AM, Bertolini I, Carminati F, Knævelsrud H, Vaira V, Vaccari T.
Autophagy. 2021 Dec;17(12):4442-4452. doi: 10.1080/15548627.2021.1918915. Epub 2021 May 12.
PMID: 33978540

<https://pubmed.ncbi.nlm.nih.gov/33978540/>

Neuronal fragile X mental retardation protein activates glial insulin receptor mediated PDF-Tri neuron developmental clearance.

Vita DJ, Meier CJ, Broadie K.
Nat Commun. 2021 Feb 19;12(1):1160. doi: 10.1038/s41467-021-21429-4.
PMID: 33608547

<https://pubmed.ncbi.nlm.nih.gov/33608547/>

Systemic Regulation of Host Energy and Oogenesis by Microbiome-Derived Mitochondrial Coenzymes.

Gnainsky Y, Zfanya N, Elgart M, Omri E, Brandis A, Mehlman T, Itkin M, Malitsky S, Adamski J, Soen Y.
Cell Rep. 2021 Jan 5;34(1):108583. doi: 10.1016/j.celrep.2020.108583.
PMID: 33406416

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Ribosomopathy-associated mutations cause proteotoxic stress that is alleviated by TOR inhibition.

Recasens-Alvarez C, Alexandre C, Kirkpatrick J, Nojima H, Huels DJ, Snijders AP, Vincent JP.
Nat Cell Biol. 2021 Feb;23(2):127-135. doi: 10.1038/s41556-020-00626-1. Epub 2021 Jan 25.
PMID: 33495632

<https://pubmed.ncbi.nlm.nih.gov/33495632/>

Filopodia-based contact stimulation of cell migration drives tissue morphogenesis.

Bischoff MC, Lieb S, Renkawitz-Pohl R, Bogdan S.
Nat Commun. 2021 Feb 4;12(1):791. doi: 10.1038/s41467-020-20362-2.
PMID: 33542237

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Response of the microbiome-gut-brain axis in Drosophila to amino acid deficit.

Kim B, Kanai MI, Oh Y, Kyung M, Kim EK, Jang IH, Lee JH, Kim SG, Suh GSB, Lee WJ.
Nature. 2021 May;593(7860):570-574. doi: 10.1038/s41586-021-03522-2. Epub 2021 May 5.
PMID: 33953396

<https://pubmed.ncbi.nlm.nih.gov/33953396/>

Epithelial cell-turnover ensures robust coordination of tissue growth in Drosophila ribosomal protein mutants.

Akai N, Ohsawa S, Sando Y, Igaki T.
PLoS Genet. 2021 Jan 28;17(1):e1009300. doi: 10.1371/journal.pgen.1009300. eCollection 2021 Jan.
PMID: 33507966

<https://pubmed.ncbi.nlm.nih.gov/33507966/>

Investigating rare and ultrarare epilepsy syndromes with Drosophila models.

Lasko P, Lüthy K.
Fac Rev. 2021 Jan 29;10:10. doi: 10.12703/r/10-10. eCollection 2021.
PMID: 33659928

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Wallenda-Nmo Axis Regulates Growth via Hippo Signaling.

Wang X, Liang H, Xu W, Ma X.

Front Cell Dev Biol. 2021 Apr 16;9:658288. doi: 10.3389/fcell.2021.658288. eCollection 2021.

PMID: 33937258

<https://pubmed.ncbi.nlm.nih.gov/33937258/>

Norbormide-Based Probes and Their Application for Mitochondrial Imaging in Drosophila Melanogaster.

Forgiarini A, Wang Z, Bova S, Brimble MA, Hopkins B, Rennison D, Orso G.

Methods Mol Biol. 2021;2275:279-289. doi: 10.1007/978-1-0716-1262-0_17.

PMID: 34118044

<https://pubmed.ncbi.nlm.nih.gov/34118044/>

The Hippo pathway controls myofibril assembly and muscle fiber growth by regulating sarcomeric gene expression.

Kaya-Çopur A, Marchiano F, Hein MY, Alpern D, Russeil J, Luis NM, Mann M, Deplancke B, Habermann BH, Schnorrer F.

Elife. 2021 Jan 6;10:e63726. doi: 10.7554/eLife.63726.

PMID: 33404503

<https://pubmed.ncbi.nlm.nih.gov/33404503/>

Extensive tissue-specific expression variation and novel regulators underlying circadian behavior.

Litovchenko M, Meireles-Filho ACA, Frochoux MV, Bevers RPJ, Prunotto A, Anduaga AM, Hollis B, Gardeux V, Braman VS, Russeil JMC, Kadener S, Dal Peraro M, Deplancke B.

Sci Adv. 2021 Jan 29;7(5):eabc3781. doi: 10.1126/sciadv.abc3781. Print 2021 Jan.

PMID: 33514540

<https://pubmed.ncbi.nlm.nih.gov/33514540/>

Modeling invasion patterns in the glioblastoma battlefield.

Conte M, Casas-Tintò S, Soler J.

PLoS Comput Biol. 2021 Jan 29;17(1):e1008632. doi: 10.1371/journal.pcbi.1008632. eCollection 2021 Jan.

PMID: 33513131

<https://pubmed.ncbi.nlm.nih.gov/33513131/>

The ubiquitin ligase Ariadne-1 regulates neurotransmitter release via ubiquitination of NSF.

Ramírez J, Morales M, Osinalde N, Martínez-Padrón I, Mayor U, Ferrús A.

J Biol Chem. 2021 Jan-Jun;296:100408. doi: 10.1016/j.jbc.2021.100408. Epub 2021 Feb 11.

PMID: 33581113

<https://pubmed.ncbi.nlm.nih.gov/33581113/>

Rest Is Required to Learn an Appetitively-Reinforced Operant Task in Drosophila.

Wiggin TD, Hsiao Y, Liu JB, Huber R, Griffith LC.

Front Behav Neurosci. 2021 Jun 18;15:681593. doi: 10.3389/fnbeh.2021.681593. eCollection 2021.

PMID: 34220464

<https://pubmed.ncbi.nlm.nih.gov/34220464/>

Differential Expression of Drosophila Transgelins Throughout Development.

Vakaloglou KM, Mouratidou M, Keramidioti A, Zervas CG.

Front Cell Dev Biol. 2021 Jul 12;9:648568. doi: 10.3389/fcell.2021.648568. eCollection 2021.

PMID: 34322481

<https://pubmed.ncbi.nlm.nih.gov/34322481/>

The Microtubule Minus-End Binding Protein cic Is Required for the Epithelial Remodeling in the Drosophila Abdomen.

Panzade S, Matis M.

Front Cell Dev Biol. 2021 Jul 21;9:682083. doi: 10.3389/fcell.2021.682083. eCollection 2021.

PMID: 34368132

<https://pubmed.ncbi.nlm.nih.gov/34368132/>

A multicomponent screen for feeding behaviour and nutritional status in Drosophila to interrogate mammalian appetite-related genes.

Chalmers J, Tung YCL, Liu CH, O'Kane CJ, O'Rahilly S, Yeo GSH.

Mol Metab. 2021 Jan;43:101127. doi: 10.1016/j.molmet.2020.101127. Epub 2020 Nov 23.

PMID: 33242659

<https://pubmed.ncbi.nlm.nih.gov/33242659/>

Larval nutrition influences adult fat stores and starvation resistance in Drosophila.

Rehman N, Varghese J.

PLoS One. 2021 Feb 19;16(2):e0247175. doi: 10.1371/journal.pone.0247175. eCollection 2021.

PMID: 33606785

<https://pubmed.ncbi.nlm.nih.gov/33606785/>

The F-Box Protein CG5003 Regulates Axon Pruning and the Integrity of the Drosophila Mushroom Body.

Yang M, Guo Y, Wang S, Chen C, Chang YH, Ho MS.

Front Mol Neurosci. 2021 Feb 25;14:634784. doi: 10.3389/fnmol.2021.634784. eCollection 2021.

PMID: 33716667

<https://pubmed.ncbi.nlm.nih.gov/33716667/>

Glial and Neuronal Neuroglian, Semaphorin-1a and Plexin A Regulate Morphological and Functional Differentiation of Drosophila Insulin-Producing Cells.

Clements J, Buhler K, Winant M, Vulsteke V, Callaerts P.

Front Endocrinol (Lausanne). 2021 Jul 1;12:600251. doi: 10.3389/fendo.2021.600251. eCollection 2021.

PMID: 34276554

<https://pubmed.ncbi.nlm.nih.gov/34276554/>

Knockdown of Dehydrodolichyl Diphosphate Synthase in the Drosophila Retina Leads to a Unique Pattern of Retinal Degeneration.

Brandwine T, Ifrah R, Bialistoky T, Zaguri R, Rhodes-Mordov E, Mizrahi-Meissonnier L, Sharon D, Katanaev VL, Gerlitz O, Minke B.

Front Mol Neurosci. 2021 Jul 5;14:693967. doi: 10.3389/fnmol.2021.693967. eCollection 2021.

PMID: 34290587

<https://pubmed.ncbi.nlm.nih.gov/34290587/>

Antioxidant Blend of Curcumin and Broccoli Seed Extract Exhibits Protective Effect on Neurodegeneration and Promotes Drosophila Lifespan.

Cheng J, Wang H, Bartlett M, Stevenson D, Pan Y, Ho MS, Ren Y.

ASN Neuro. 2021 Jan-Dec;13:17590914211015033. doi: 10.1177/17590914211015033.

PMID: 33951964

<https://pubmed.ncbi.nlm.nih.gov/33951964/>

Syd/JIP3 controls tissue size by regulating Diap1 protein turnover downstream of Yorkie/YAP.

Ahmad V, Vadla GP, Chabu CY.

Dev Biol. 2021 Jan 1;469:37-45. doi: 10.1016/j.ydbio.2020.09.017. Epub 2020 Oct 3.

PMID: 33022230

<https://pubmed.ncbi.nlm.nih.gov/33022230/>

Adenosine Receptor and Its Downstream Targets, Mod(mdg4) and Hsp70, Work as a Signaling Pathway Modulating Cytotoxic Damage in Drosophila.

Lin YH, Maaroufi HO, Kucerova L, Rouhova L, Filip T, Zurovec M.

Front Cell Dev Biol. 2021 Mar 12;9:651367. doi: 10.3389/fcell.2021.651367. eCollection 2021.

PMID: 33777958

<https://pubmed.ncbi.nlm.nih.gov/33777958/>

The Ubiquitin Conjugating Enzyme UbcD1 is Required for Notch Signaling Activation During Drosophila Wing Development.

Zhang F, Chen Y, Shen J, Zhang J.

Front Genet. 2021 Oct 12;12:770853. doi: 10.3389/fgene.2021.770853. eCollection 2021.

PMID: 34712275

<https://pubmed.ncbi.nlm.nih.gov/34712275/>

Increased Abundance of Nuclear HDAC4 Impairs Neuronal Development and Long-Term Memory.

Main P, Tan WJ, Wheeler D, Fitzsimons HL.

Front Mol Neurosci. 2021 Mar 30;14:616642. doi: 10.3389/fnmol.2021.616642. eCollection 2021.

PMID: 33859551

<https://pubmed.ncbi.nlm.nih.gov/33859551/>

Role of the Forkhead Transcription Factors Fd4 and Fd5 During Drosophila Leg Development.

Ruiz-Losada M, Pérez-Reyes C, Estella C.

Front Cell Dev Biol. 2021 Aug 2;9:723927. doi: 10.3389/fcell.2021.723927. eCollection 2021.

PMID: 34409041

<https://pubmed.ncbi.nlm.nih.gov/34409041/>

Physiological and metabolomic consequences of reduced expression of the Drosophila brummer triglyceride Lipase.

Nazario-Yepiz NO, Fernández Sobaberas J, Lyman R, Campbell MR 3rd, Shankar V, Anholt RRH, Mackay TFC.

PLoS One. 2021 Sep 21;16(9):e0255198. doi: 10.1371/journal.pone.0255198. eCollection 2021.

PMID: 34547020

<https://pubmed.ncbi.nlm.nih.gov/34547020/>

A Novel Neuron-Specific Regulator of the V-ATPase in Drosophila.

Dulac A, Issa AR, Sun J, Matassi G, Jonas C, Chérif-Zahar B, Cattaert D, Birman S.

eNeuro. 2021 Oct 22;8(5):ENEURO.0193-21.2021. doi: 10.1523/ENEURO.0193-21.2021. Print 2021 Sep-Oct.

PMID: 34620624

<https://pubmed.ncbi.nlm.nih.gov/34620624/>

Loss of telomere silencing is accompanied by dysfunction of Polo kinase and centrosomes during Drosophila oogenesis and early development.

Morgunova V, Kordyukova M, Mikhaleva EA, Butenko I, Pobeguts OV, Kalmykova A.

PLoS One. 2021 Oct 8;16(10):e0258156. doi: 10.1371/journal.pone.0258156. eCollection 2021.

PMID: 34624021

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Polycomb Requires Chaperonin Containing TCP-1 Subunit 7 for Maintaining Gene Silencing in *Drosophila*.

Shaheen N, Akhtar J, Umer Z, Khan MHF, Bakhtiari MH, Saleem M, Faisal A, Tariq M.
Front Cell Dev Biol. 2021 Oct 1;9:727972. doi: 10.3389/fcell.2021.727972. eCollection 2021.
PMID: 34660585
<https://pubmed.ncbi.nlm.nih.gov/34660585/>

The Immunoglobulin Superfamily Member Basigin Is Required for Complex Dendrite Formation in *Drosophila*.

Shrestha BR, Burgos A, Grueber WB.
Front Cell Neurosci. 2021 Nov 4;15:739741. doi: 10.3389/fncel.2021.739741. eCollection 2021.
PMID: 34803611
<https://pubmed.ncbi.nlm.nih.gov/34803611/>

Proteasome $\alpha 6$ Subunit Negatively Regulates the JAK/STAT Pathway and Blood Cell Activation in *Drosophila melanogaster*.

Järvelä-Stölting M, Vesala L, Maasdorp MK, Ciantar J, Rämetsä M, Valanne S.
Front Immunol. 2021 Dec 22;12:729631. doi: 10.3389/fimmu.2021.729631. eCollection 2021.
PMID: 35003057
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A docked mutation phenocopies dumpy oblique alleles via altered vesicle trafficking.

Kandasamy S, Couto K, Thackeray J.
PeerJ. 2021 Oct 13;9:e12175. doi: 10.7717/peerj.12175. eCollection 2021.
PMID: 34721959
<https://pubmed.ncbi.nlm.nih.gov/34721959/>

The Evolutionary Conserved Transmembrane BAX Inhibitor Motif (TMBIM) Containing Protein Family Members 5 and 6 Are Essential for the Development and Survival of *Drosophila melanogaster*.

Zhang L, Buhr S, Voigt A, Methner A.
Front Cell Dev Biol. 2021 Sep 3;9:666484. doi: 10.3389/fcell.2021.666484. eCollection 2021.
PMID: 34540824
<https://pubmed.ncbi.nlm.nih.gov/34540824/>

Correction: Osa-Containing Brahma Complex Regulates Innate Immunity and the Expression of Metabolic Genes in *Drosophila*.

Valanne S, Järvelä-Stölting M, Harjula SE, Myllymäki H, Salminen TS, Rämetsä M.
J Immunol. 2021 Feb 15;206(4):917-918. doi: 10.4049/jimmunol.2001320. Epub 2021 Jan 8.
PMID: 33419771
<https://pubmed.ncbi.nlm.nih.gov/33419771/>

The Clathrin adaptor AP-1 and Stratum act in parallel pathways to control Notch activation in *Drosophila* sensory organ precursors cells.

Bellec K, Pinot M, Gicquel I, Le Borgne R.
Development. 2021 Jan 10;148(1):dev191437. doi: 10.1242/dev.191437.
PMID: 33298463
<https://pubmed.ncbi.nlm.nih.gov/33298463/>

Temporal evolution of single-cell transcriptomes of *Drosophila* olfactory projection neurons.

Xie Q, Brbic M, Horns F, Kolluru SS, Jones RC, Li J, Reddy AR, Xie A, Kohani S, Li Z, McLaughlin CN, Li T, Xu C, Vacek D, Luginbuhl DJ, Leskovec J, Quake SR, Luo L, Li H.

Elife. 2021 Jan 11;10:e63450. doi: 10.7554/eLife.63450.

PMID: 33427646

<https://pubmed.ncbi.nlm.nih.gov/33427646/>

Homeostatic Regulation of ROS-Triggered Hippo-Yki Pathway via Autophagic Clearance of Ref(2)P/p62 in the *Drosophila* Intestine.

Nagai H, Tataru H, Tanaka-Furuhashi K, Kurata S, Yano T.

Dev Cell. 2021 Jan 11;56(1):81-94.e10. doi: 10.1016/j.devcel.2020.12.007. Epub 2021 Jan 4.

PMID: 33400912

<https://pubmed.ncbi.nlm.nih.gov/33400912/>

RAL GTPases mediate EGFR-driven intestinal stem cell proliferation and tumourigenesis.

Nászai M, Bellec K, Yu Y, Román-Fernández A, Sandilands E, Johansson J, Campbell AD, Norman JC, Sansom OJ, Bryant DM, Cordero JB.

Elife. 2021 Jun 7;10:e63807. doi: 10.7554/eLife.63807.

PMID: 34096503

<https://pubmed.ncbi.nlm.nih.gov/34096503/>

Age dependent trans-cellular propagation of human tau aggregates in *Drosophila* disease models.

Aqsa, Sarkar S.

Brain Res. 2021 Jan 15;1751:147207. doi: 10.1016/j.brainres.2020.147207. Epub 2020 Nov 17.

PMID: 33212022

<https://pubmed.ncbi.nlm.nih.gov/33212022/>

Investigating cytosolic 5'-nucleotidase II family genes as candidates for neuropsychiatric disorders in *Drosophila* (114/150 chr).

Singgih EL, van der Voet M, Schimmel-Naber M, Brinkmann EL, Schenck A, Franke B.

Transl Psychiatry. 2021 Jan 18;11(1):55. doi: 10.1038/s41398-020-01149-x.

PMID: 33462198

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Functional Inactivation of *Drosophila* GCK Orthologs Causes Genomic Instability and Oxidative Stress in a Fly Model of MODY-2.

Mascolo E, Liguori F, Stufiera Mecarelli L, Amoroso N, Merigliano C, Amadio S, Volonté C, Contestabile R, Tramonti A, Verni F.

Int J Mol Sci. 2021 Jan 18;22(2):918. doi: 10.3390/ijms22020918.

PMID: 33477627

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Heat shock proteins and small nucleolar RNAs are dysregulated in a *Drosophila* model for feline hypertrophic cardiomyopathy.

Tallo CA, Duncan LH, Yamamoto AH, Slaydon JD, Arya GH, Turlapati L, Mackay TFC, Carbone MA. G3 (Bethesda). 2021 Jan 18;11(1):jkaa014. doi: 10.1093/g3journal/jkaa014.

PMID: 33561224

<https://pubmed.ncbi.nlm.nih.gov/33561224/>

Roles for RNA export factor, Nxt1, in ensuring muscle integrity and normal RNA expression in Drosophila.

van der Graaf K, Jindrich K, Mitchell R, White-Cooper H.

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