

VDRC publications 2016 (total 315)

***Regulation of Ribosome Biogenesis and Protein Synthesis Controls Germline Stem Cell Differentiation.**

Sanchez CG, Teixeira FK, Czech B, Preall JB, Zamparini AL, Seifert JR, Malone CD, Hannon GJ, Lehmann R. Cell Stem Cell. 2016 Feb 4;18(2):276-90. doi: 10.1016/j.stem.2015.11.004. Epub 2015 Dec 6.

PMID: 26669894

[\[Abstract\]](#)

***A genome-wide resource for the analysis of protein localisation in Drosophila.**

Sarov M, Barz C, Jambor H, Hein MY, Schmied C, Suchold D, Stender B, Janosch S, K J VV, Krishnan RT, Krishnamoorthy A, Ferreira IR, Ejsmont RK, Finkl K, Hasse S, Kämpfer P, Plewka N, Vinis E, Schloissnig S, Knust E, Hartenstein V, Mann M, Ramaswami M, VijayRaghavan K, Tomancak P, Schnorrer F.

Elife. 2016 Feb 20;5:e12068. doi: 10.7554/eLife.12068.

PMID: 26896675

[\[Abstract\]](#)

***A Drosophila Genome-Wide Screen Identifies Regulators of Steroid Hormone Production and Developmental Timing.**

Danielsen ET, Moeller ME, Yamanaka N, Ou Q, Laursen JM, Soenderholm C, Zhuo R, Phelps B, Tang K, Zeng J, Kondo S, Nielsen CH, Harvald EB, Faergeman NJ, Haley MJ, O'Connor KA, King-Jones K, O'Connor MB, Rewitz KF.

Dev Cell. 2016 Jun 20;37(6):558-70. doi: 10.1016/j.devcel.2016.05.015.

PMID: 27326933

[\[Abstract\]](#)

***Whole-animal genome-wide RNAi screen identifies networks regulating male germline stem cells in Drosophila.**

Liu Y, Ge Q, Chan B, Liu H, Singh SR, Manley J, Lee J, Weideman AM, Hou G, Hou SX.

Nat Commun. 2016 Aug 3;7:12149. doi: 10.1038/ncomms12149.

PMID: 27484291

[\[Abstract\]](#)

***Functional exploration of colorectal cancer genomes using Drosophila.**

Bangi E, Murgia C, Teague AG, Sansom OJ, Cagan RL.

Nat Commun. 2016 Nov 29;7:13615. doi: 10.1038/ncomms13615.

PMID: 27897178

[\[Abstract\]](#)

***A Novel Frizzled-Based Screening Tool Identifies Genetic Modifiers of Planar Cell Polarity in Drosophila Wings.**

Carvajal-Gonzalez JM, Mulero-Navarro S, Smith M, Mlodzik M.

G3 (Bethesda). 2016 Dec 7;6(12):3963-3973. doi: 10.1534/g3.116.035535.

PMID: 27729438

[\[Abstract\]](#)

***An RNAi Screen To Identify Protein Phosphatases That Function Within the Drosophila Circadian Clock.**

Agrawal P, Hardin PE.

G3 (Bethesda). 2016 Dec 7;6(12):4227-4238. doi: 10.1534/g3.116.035345.

PMID: 27784754

[\[Abstract\]](#)

***Reduction of Nuak1 Decreases Tau and Reverses Phenotypes in a Tauopathy Mouse Model.**

Lasagna-Reeves CA, de Haro M, Hao S, Park J, Rousseaux MW, Al-Ramahi I, Jafar-Nejad P, Vilanova-Velez L, See L, De Maio A, Nitschke L, Wu Z, Troncoso JC, Westbrook TF, Tang J, Botas J, Zoghbi HY.

Neuron. 2016 Oct 19;92(2):407-418. doi: 10.1016/j.neuron.2016.09.022.

PMID: 27720485

[\[Abstract\]](#)

The Glide/Gcm fate determinant controls initiation of collective cell migration by regulating Frazzled.

Gupta T, Kumar A, Cattenoz PB, VijayRaghavan K, Giangrande A.

Elife. 2016 Oct 14;5. pii: e15983. doi: 10.7554/eLife.15983.

PMID: 27740455

[\[Abstract\]](#)

Neuromodulators signal through astrocytes to alter neural circuit activity and behaviour.

Ma Z, Stork T, Bergles DE, Freeman MR.

Nature. 2016 Nov 17;539(7629):428-432. doi: 10.1038/nature20145.

PMID: 27828941

[\[Abstract\]](#)

Actin is an evolutionarily-conserved damage-associated molecular pattern that signals tissue injury in *Drosophila melanogaster*.

Srinivasan N, Gordon O, Ahrens S, Franz A, Deddouche S, Chakravarty P, Phillips D, Yunus AA, Rosen MK, Valente RS, Teixeira L, Thompson B, Dionne MS, Wood W, Reis e Sousa C.

Elife. 2016 Nov 22;5. pii: e19662. doi: 10.7554/eLife.19662.

PMID: 27871362

[\[Abstract\]](#)

GATAe regulates intestinal stem cell maintenance and differentiation in *Drosophila* adult midgut.

Okumura T, Takeda K, Kuchiki M, Akaishi M, Taniguchi K, Adachi-Yamada T.

Dev Biol. 2016 Feb 1;410(1):24-35. doi: 10.1016/j.ydbio.2015.12.017. Epub 2015 Dec 21.

PMID: 26719127

[\[Abstract\]](#)

Ral GTPase and the exocyst regulate autophagy in a tissue-specific manner.

Tracy K, Velentzas PD, Baehrecke EH.

EMBO Rep. 2016 Jan;17(1):110-21. doi: 10.15252/embr.201541283. Epub 2015 Nov 23.

PMID: 26598552

[\[Abstract\]](#)

Drosophila 4EHP is essential for the larval-pupal transition and required in the prothoracic gland for ecdysone biosynthesis.

Valzania L, Ono H, Ignesti M, Cavaliere V, Bernardi F, Gamberi C, Lasko P, Gargiulo G.

Dev Biol. 2016 Feb 1;410(1):14-23. doi: 10.1016/j.ydbio.2015.12.021. Epub 2015 Dec 23.

PMID: 26721418

[\[Abstract\]](#)

Ligand-independent requirements of steroid receptors EcR and USP for cell survival.

Mansilla A, Martín FA, Martín D, Ferrús A.

Cell Death Differ. 2016 Mar;23(3):405-16. doi: 10.1038/cdd.2015.108. Epub 2015 Aug 7.

PMID: 26250909

[\[Abstract\]](#)

Orchestrated content release from Drosophila glue-protein vesicles by a contractile actomyosin network.

Rouso T, Schejter ED, Shilo BZ.

Nat Cell Biol. 2016 Feb;18(2):181-90. doi: 10.1038/ncb3288. Epub 2015 Dec 7.

PMID: 26641716

[\[Abstract\]](#)

Control of lysosomal biogenesis and Notch-dependent tissue patterning by components of the TFEB-V-ATPase axis in Drosophila melanogaster.

Tognon E, Kobia F, Busi I, Fumagalli A, De Masi F, Vaccari T.

Autophagy. 2016 Jan 4:0. [Epub ahead of print]

PMID: 26727288

[\[Abstract\]](#)

A Drosophila RNAi library modulates Hippo pathway-dependent tissue growth.

Vissers JH, Manning SA, Kulkarni A, Harvey KF.

Nat Commun. 2016 Jan 13;7:10368. doi: 10.1038/ncomms10368.

PMID: 26758424

[\[Abstract\]](#)

The insulator protein BEAF-32 is required for Hippo pathway activity in the terminal differentiation of neuronal subtypes.

Jukam D, Viets K, Anderson C, Zhou C, DeFord P, Yan J, Cao J, Johnston RJ Jr.

Development. 2016 Jul 1;143(13):2389-97. doi: 10.1242/dev.134700.

PMID: 27226322

[\[Abstract\]](#)

A Guide to Genome-Wide In Vivo RNAi Applications in Drosophila.

Kaya-Çopur A, Schnorrer F.

Methods Mol Biol. 2016;1478:117-143.

PMID: 27730578

[\[Abstract\]](#)

The Drosophila Helicase MLE Targets Hairpin Structures in Genomic Transcripts.

Cugusi S, Li Y, Jin P, Lucchesi JC.

PLoS Genet. 2016 Jan 11;12(1):e1005761. doi: 10.1371/journal.pgen.1005761.

PMID: 26752049

[\[Abstract\]](#)

Retinal Axon Guidance Requires Integration of Eya and the Jak/Stat Pathway into Phosphotyrosine-Based Signaling Circuitries in Drosophila.

Hoi CS, Xiong W, Rebay I.

Genetics. 2016 Jul;203(3):1283-95. doi: 10.1534/genetics.115.185918. Erratum in: Genetics. 2016 Sep;204(1):385.

PMID: 27194748

[\[Abstract\]](#)

A New Fiji-Based Algorithm That Systematically Quantifies Nine Synaptic Parameters Provides Insights into Drosophila NMJ Morphometry.

Nijhof B, Castells-Nobau A, Wolf L, Scheffer-de Gooyert JM, Monedero I, Torroja L, Coromina L, van der Laak JA, Schenck A.

PLoS Comput Biol. 2016 Mar 21;12(3):e1004823. doi: 10.1371/journal.pcbi.1004823.

PMID: 26998933

[\[Abstract\]](#)

Drosophila ataxin-2 gene encodes two differentially expressed isoforms and its function in larval fat body is crucial for development of peripheral tissues.

Vianna MC, Poleto DC, Gomes PF, Valente V, Paçó-Larson ML.

FEBS Open Bio. 2016 Oct 7;6(11):1040-1053.

PMID: 27833845

[\[Abstract\]](#)

Systematic Phenomics Analysis Deconvolutes Genes Mutated in Intellectual Disability into Biologically Coherent Modules.

Kochinke K, Zweier C, Nijhof B, Fenckova M, Cizek P, Honti F, Keerthikumar S, Oortveld MA, Kleefstra T, Kramer JM, Webber C, Huynen MA, Schenck A.

Am J Hum Genet. 2016 Jan 7;98(1):149-64. doi: 10.1016/j.ajhg.2015.11.024.

PMID: 26748517

[\[Abstract\]](#)

An Atypical Tropomyosin in Drosophila with Intermediate Filament-like Properties.

Cho A, Kato M, Whitwam T, Kim JH, Montell DJ.

Cell Rep. 2016 Jul 26;16(4):928-38. doi: 10.1016/j.celrep.2016.06.054.

PMID: 27396338

[\[Abstract\]](#)

Canalization of gene expression is a major signature of regulatory cold adaptation in temperate Drosophila melanogaster.

von Heckel K, Stephan W, Hutter S.

BMC Genomics. 2016 Aug 8;17:574. doi: 10.1186/s12864-016-2866-0.

PMID: 27502401

[\[Abstract\]](#)

Design and Methods of Large-Scale RNA Interference Screens in Drosophila.

Zhou J, Tong C.

Methods Mol Biol. 2016;1470:163-9. doi: 10.1007/978-1-4939-6337-9_13.

PMID: 27581292

[\[Abstract\]](#)

Potential Direct Regulators of the Drosophila yellow Gene Identified by Yeast One-Hybrid and RNAi Screens.

Kalay G, Lusk R, Dome M, Hens K, Deplancke B, Wittkopp PJ.

G3 (Bethesda). 2016 Oct 13;6(10):3419-3430. doi: 10.1534/g3.116.032607.

PMID: 27527791

[\[Abstract\]](#)

The Drosophila HNF4 nuclear receptor promotes glucose-stimulated insulin secretion and mitochondrial function in adults.

Barry WE, Thummel CS.

Elife. 2016 May 17;5. pii: e111183. doi: 10.7554/eLife.11183.

PMID: 27185732

[\[Abstract\]](#)

Functional screening of mammalian mechanosensitive genes using Drosophila RNAi library- Smarcd3/Bap60 is a mechanosensitive pro-inflammatory gene.

Kumar S, Jang IH, Kim CW, Kang DW, Lee WJ, Jo H.

Sci Rep. 2016 Nov 7;6:36461. doi: 10.1038/srep36461.

PMID: 27819340

[\[Abstract\]](#)

TRAP-seq Profiling and RNAi-Based Genetic Screens Identify Conserved Glial Genes Required for Adult *Drosophila* Behavior.

Ng FS, Sengupta S, Huang Y, Yu AM, You S, Roberts MA, Iyer LK, Yang Y, Jackson FR.

Front Mol Neurosci. 2016 Dec 22;9:146. doi: 10.3389/fnmol.2016.00146.

PMID: 28066175

[\[Abstract\]](#)

An RNAi Screen for Genes Involved in Nanoscale Protrusion Formation on Corneal Lens in *Drosophila melanogaster*.

Minami R, Sato C, Yamahama Y, Kubo H, Hariyama T, Kimura KI.

Zoolog Sci. 2016 Dec;33(6):583-591.

PMID: 27927092

[\[Abstract\]](#)

Retinal homeobox promotes cell growth, proliferation and survival of mushroom body neuroblasts in the *Drosophila* brain.

Kraft KF, Massey EM, Kolb D, Walldorf U, Urbach R.

Mech Dev. 2016 Nov;142:50-61. doi: 10.1016/j.mod.2016.07.003.

PMID: 27455861

[\[Abstract\]](#)

UbcD4, an ortholog of E2-25K/Ube2K, is essential for activation of the immune deficiency pathway in *Drosophila*.

Park ES, Elangovan M, Kim YJ, Yoo YJ.

Biochem Biophys Res Commun. 2016 Jan 22;469(4):891-6. doi: 10.1016/j.bbrc.2015.12.062.

PMID: 26707646

[\[Abstract\]](#)

Chi and dLMO function antagonistically on Notch signaling through directly regulation of *fng* transcription.

Han H, Fan J, Xiong Y, Wu W, Lu Y, Zhang L, Zhao Y.

Sci Rep. 2016 Jan 7;6:18937. doi: 10.1038/srep18937.

PMID: 26738424

[\[Abstract\]](#)

Autophagy regulates the survival of cells with chromosomal instability.

Liu D, Shaikat Z, Xu T, Denton D, Saint R, Gregory S.

Oncotarget. 2016 Sep 27;7(39):63913-63923. doi: 10.18632/oncotarget.11736.

PMID: 27590505

[\[Abstract\]](#)

Slit-Robo Repulsive Signaling Extrudes Tumorigenic Cells from Epithelia.

Vaughen J, Igaki T.

Dev Cell. 2016 Dec 19;39(6):683-695. doi: 10.1016/j.devcel.2016.11.015.

PMID: 27997825

[\[Abstract\]](#)

The Deubiquitinase USP47 Stabilizes MAPK by Counteracting the Function of the N-end Rule ligase POE/UBR4 in Drosophila.

Ashton-Beaucage D, Lemieux C, Udell CM, Sahmi M, Rochette S, Therrien M.

PLoS Biol. 2016 Aug 23;14(8):e1002539. doi: 10.1371/journal.pbio.1002539.

PMID: 27552662

[\[Abstract\]](#)

The defender against apoptotic cell death 1 gene is required for tissue growth and efficient N-glycosylation in Drosophila melanogaster.

Zhang Y, Cui C, Lai ZC.

Dev Biol. 2016 Dec 1;420(1):186-195. doi: 10.1016/j.ydbio.2016.09.021.

PMID: 27693235

[\[Abstract\]](#)

A Pair of Oviduct-Born Pickpocket Neurons Important for Egg-Laying in Drosophila melanogaster.

Lee H, Choi HW, Zhang C, Park ZY, Kim YJ.

Mol Cells. 2016 Jul;39(7):573-9. doi: 10.14348/molcells.2016.0121.

PMID: 27378227

[\[Abstract\]](#)

Asymmetric distribution of Spalt in Drosophila wing squamous and columnar epithelia ensures correct cell morphogenesis.

Tang W, Wang D, Shen J.

Sci Rep. 2016 Jul 25;6:30236. doi: 10.1038/srep30236.

PMID: 27452716

[\[Abstract\]](#)

BOD1 Is Required for Cognitive Function in Humans and Drosophila.

Esmaeeli-Nieh S, Fenckova M, Porter IM, Motazacker MM, Nijhof B, Castells-Nobau A, Asztalos Z, Weißmann R, Behjati F, Tzschach A, Felbor U, Scherthan H, Sayfati SM, Ropers HH, Kahrizi K, Najmabadi H, Swedlow JR, Schenck A, Kuss AW.

PLoS Genet. 2016 May 11;12(5):e1006022. doi: 10.1371/journal.pgen.1006022.

PMID: 27166630

[\[Abstract\]](#)

A Toll receptor-FoxO pathway represses Pavarotti/MKLP1 to promote microtubule dynamics in motoneurons.

McLaughlin CN, Nechipurenko IV, Liu N, Broihier HT.

J Cell Biol. 2016 Aug 15;214(4):459-74. doi: 10.1083/jcb.201601014.

PMID: 27502486

[\[Abstract\]](#)

The Circadian Clock Is a Key Driver of Steroid Hormone Production in Drosophila.

Di Cara F, King-Jones K.

Curr Biol. 2016 Sep 26;26(18):2469-77. doi: 10.1016/j.cub.2016.07.004.

PMID: 27546572

[\[Abstract\]](#)

Gene Dosage Imbalance Contributes to Chromosomal Instability-Induced Tumorigenesis.

Clemente-Ruiz M, Murillo-Maldonado JM, Benhra N, Barrio L, Pérez L, Quiroga G, Nebreda AR, Milán M.

Dev Cell. 2016 Feb 8;36(3):290-302. doi: 10.1016/j.devcel.2016.01.008.

PMID: 26859353

[\[Abstract\]](#)

Juvenile Hormone Is Required in Adult Males for Drosophila Courtship.

Wijesekera TP, Saurabh S, Dauwalder B.

PLoS One. 2016 Mar 22;11(3):e0151912. doi: 10.1371/journal.pone.0151912.

PMID: 27003411

[\[Abstract\]](#)

Kinesin-2 and Apc function at dendrite branch points to resolve microtubule collisions.

Weiner AT, Lanz MC, Goetschius DJ, Hancock WO, Rolls MM.

Cytoskeleton (Hoboken). 2016 Jan;73(1):35-44. doi: 10.1002/cm.21270.

PMID: 26785384

[\[Abstract\]](#)

Long-Term Memory in Drosophila Is Influenced by Histone Deacetylase HDAC4 Interacting with SUMO-Conjugating Enzyme Ubc9.

Schwartz S, Truglio M, Scott MJ, Fitzsimons HL.

Genetics. 2016 Jul;203(3):1249-64. doi: 10.1534/genetics.115.183194.

PMID: 27182943

[\[Abstract\]](#)

Molecular mechanism and functional significance of acid generation in the Drosophila midgut.

Overend G, Luo Y, Henderson L, Douglas AE, Davies SA, Dow JA.

Sci Rep. 2016 Jun 2;6:27242. doi: 10.1038/srep27242.

PMID: 27250760

[\[Abstract\]](#)

Comparative developmental analysis of *Drosophila* and *Tribolium* reveals conserved and diverged roles of abrupt in insect wing evolution.

Ravisankar P, Lai YT, Sambrani N, Tomoyasu Y.

Dev Biol. 2016 Jan 15;409(2):518-29. doi: 10.1016/j.ydbio.2015.12.006.

PMID: 26687509

[\[Abstract\]](#)

The ADP-ribose polymerase Tankyrase regulates adult intestinal stem cell proliferation during homeostasis in *Drosophila*.

Wang Z, Tian A, Benchabane H, Tacchelly-Benites O, Yang E, Nojima H, Ahmed Y.

Development. 2016 May 15;143(10):1710-20. doi: 10.1242/dev.127647.

PMID: 27190037

[\[Abstract\]](#)

Quantitative Assessment of Eye Phenotypes for Functional Genetic Studies Using *Drosophila melanogaster*.

Iyer J, Wang Q, Le T, Pizzo L, Grönke S, Ambegaokar SS, Imai Y, Srivastava A, Troisi BL, Mardon G, Artero R, Jackson GR, Isaacs AM, Partridge L, Lu B, Kumar JP, Girirajan S.

G3 (Bethesda). 2016 May 3;6(5):1427-37. doi: 10.1534/g3.116.027060.

PMID: 26994292

[\[Abstract\]](#)

Control of germline stem cell differentiation by Polycomb and Trithorax group genes in the niche microenvironment.

Li X, Yang F, Chen H, Deng B, Li X, Xi R.

Development. 2016 Oct 1;143(19):3449-3458.

PMID: 27510973

[\[Abstract\]](#)

***Drosophila* screen connects nuclear transport genes to DPR pathology in c9ALS/FTD.**

Boeynaems S, Bogaert E, Michiels E, Gijssels I, Sieben A, Jovičić A, De Baets G, Scheveneels W, Steyaert J, Cuijt I, Verstreppe KJ, Callaerts P, Rousseau F, Schymkowitz J, Cruts M, Van Broeckhoven C, Van Damme P, Gitler AD, Robberecht W, Van Den Bosch L.

Sci Rep. 2016 Feb 12;6:20877. doi: 10.1038/srep20877.

PMID: 26869068

[\[Abstract\]](#)

***Drosophila* ubiquitin E3 ligase dSmurf is required for synapse remodeling and axon pruning by glia.**

Chen C, Yin S, Cao W, Ho MS.

J Genet Genomics. 2016 Nov 11. pii: S1673-8527(16)30172-2. doi: 10.1016/j.jgg.2016.10.007. [Epub ahead of print].

PMID: 28057437

[\[Abstract\]](#)

Neural specificity of the RNA-binding protein Elav is achieved by post-transcriptional repression in non-neural tissues.

Sanfilippo P, Smibert P, Duan H, Lai EC.

Development. 2016 Dec 1;143(23):4474-4485.

PMID: 27802174

[\[Abstract\]](#)

Neurofibromin Loss of Function Drives Excessive Grooming in Drosophila.

King LB, Koch M, Murphy KR, Velazquez Y, Ja WW, Tomchik SM.

G3 (Bethesda). 2016 Apr 7;6(4):1083-93. doi: 10.1534/g3.115.026484.

PMID: 26896440

[\[Abstract\]](#)

Nociceptor-Enriched Genes Required for Normal Thermal Nociception.

Honjo K, Mauthner SE, Wang Y, Skene JH, Tracey WD Jr.

Cell Rep. 2016 Jul 12;16(2):295-303. doi: 10.1016/j.celrep.2016.06.003.

PMID: 27346357

[\[Abstract\]](#)

Epithelial Tumors Originate in Tumor Hotspots, a Tissue-Intrinsic Microenvironment.

Tamori Y, Suzuki E, Deng WM.

PLoS Biol. 2016 Sep 1;14(9):e1002537. doi: 10.1371/journal.pbio.1002537.

PMID: 27584724

[\[Abstract\]](#)

Wound-Induced Polyploidization: Regulation by Hippo and JNK Signaling and Conservation in Mammals.

Losick VP, Jun AS, Spradling AC.

PLoS One. 2016 Mar 9;11(3):e0151251. doi: 10.1371/journal.pone.0151251.

PMID: 26958853

[\[Abstract\]](#)

The Unique Dopamine/Ecdysteroid Receptor Modulates Ethanol-Induced Sedation in Drosophila.

Petrucelli E, Li Q, Rao Y, Kitamoto T.

J Neurosci. 2016 Apr 20;36(16):4647-57. doi: 10.1523/JNEUROSCI.3774-15.2016.

PMID: 27098705

[\[Abstract\]](#)

Regulation of Smoothed Trafficking and Hedgehog Signaling by the SUMO Pathway.

Ma G, Li S, Han Y, Li S, Yue T, Wang B, Jiang J.

Dev Cell. 2016 Nov 21;39(4):438-451. doi: 10.1016/j.devcel.2016.09.014.

PMID: 27746045

[\[Abstract\]](#)

ADHD-associated dopamine transporter, latrophilin and neurofibromin share a dopamine-related locomotor signature in *Drosophila*.

van der Voet M, Harich B, Franke B, Schenck A.

Mol Psychiatry. 2016 Apr;21(4):565-73. doi: 10.1038/mp.2015.55.

PMID: 25962619

[\[Abstract\]](#)

The Neural Circuitry that Functions as a Switch for Courtship versus Aggression in *Drosophila* Males.

Koganezawa M, Kimura K, Yamamoto D.

Curr Biol. 2016 Jun 6;26(11):1395-403. doi: 10.1016/j.cub.2016.04.017.

PMID: 27185554

[\[Abstract\]](#)

The role of Piwi nuclear localization in the differentiation and proliferation of germline stem cells.

Yakushev EY, Mikhaleva EA, Abramov YA, Sokolova OA, Zyrianova IM, Gvozdev VA, Klenov MS.

Mol Biol (Mosk). 2016 Jul-Aug;50(4):713-720. Russian.

PMID: 27668609

[\[Abstract\]](#)

The chaperone HSPB8 reduces the accumulation of truncated TDP-43 species in cells and protects against TDP-43-mediated toxicity.

Crippa V, Cicardi ME, Ramesh N, Seguin SJ, Ganassi M, Bigi I, Diacci C, Zelotti E, Baratashvili M, Gregory JM, Dobson CM, Cereda C, Pandey UB, Poletti A, Carra S.

Hum Mol Genet. 2016 Jul 27. pii: ddw232. [Epub ahead of print]

PMID: 27466192

[\[Abstract\]](#)

The Hippo signalling pathway coordinates organ growth and limits developmental variability by controlling *dilp8* expression.

Boone E, Colombani J, Andersen DS, Léopold P.

Nat Commun. 2016 Nov 22;7:13505. doi: 10.1038/ncomms13505.

PMID: 27874005

[\[Abstract\]](#)

Epidermis-Derived Semaphorin Promotes Dendrite Self-Avoidance by Regulating Dendrite-Substrate Adhesion in *Drosophila* Sensory Neurons.

Meltzer S, Yadav S, Lee J, Soba P, Younger SH, Jin P, Zhang W, Parrish J, Jan LY, Jan YN.

Neuron. 2016 Feb 17;89(4):741-55. doi: 10.1016/j.neuron.2016.01.020.

PMID: 26853303

[\[Abstract\]](#)

MiR-980 Is a Memory Suppressor MicroRNA that Regulates the Autism-Susceptibility Gene A2bp1.

Guyen-Ozkan T, Busto GU, Schutte SS, Cervantes-Sandoval I, O'Dowd DK, Davis RL.

Cell Rep. 2016 Feb 23;14(7):1698-709. doi: 10.1016/j.celrep.2016.01.040.

PMID: 26876166

[\[Abstract\]](#)

Knockdown of the putative Lifeguard homologue CG3814 in neurons of Drosophila melanogaster.

M'Angale PG, Staveley BE.

Genet Mol Res. 2016 Dec 19;15(4). doi: 10.4238/gmr15049290.

PMID: 28002605

[\[Abstract\]](#)

Tousled-like kinase regulates cytokine-mediated communication between cooperating cell types during collective border cell migration.

Xiang W, Zhang D, Montell DJ.

Mol Biol Cell. 2016 Jan 1;27(1):12-9. doi: 10.1091/mbc.E15-05-0327.

PMID: 26510500

[\[Abstract\]](#)

The novel SH3 domain protein Dlish/CG10933 mediates fat signaling in Drosophila by binding and regulating Dachs.

Zhang Y, Wang X, Matakatsu H, Fehon R, Blair SS.

Elife. 2016 Oct 3;5. pii: e16624. doi: 10.7554/eLife.16624. Erratum in: Elife. 2016 Nov 08;5:.

PMID: 27692068

[\[Abstract\]](#)

The human Smoothed inhibitor PF-04449913 induces exit from quiescence and loss of multipotent Drosophila hematopoietic progenitor cells.

Giordani G, Barraco M, Giangrande A, Martinelli G, Guadagnuolo V, Simonetti G, Perini G, Bernardoni R.

Oncotarget. 2016 Aug 23;7(34):55313-55327. doi: 10.18632/oncotarget.10879.

PMID: 27486815

[\[Abstract\]](#)

Conserved pharmacological rescue of hereditary spastic paraplegia-related phenotypes across model organisms.

Julien C, Lissouba A, Madabattula S, Fardghassemi Y, Rosenfelt C, Androschuk A, Strautman J, Wong C, Bysice A, O'sullivan J, Rouleau GA, Drapeau P, Parker JA, Bolduc FV.

Hum Mol Genet. 2016 Mar 15;25(6):1088-99. doi: 10.1093/hmg/ddv632.

PMID: 26744324

[\[Abstract\]](#)

Drosophila Sul1 is required for the termination of intestinal stem cell division during regeneration.

Takemura M, Nakato H.

J Cell Sci. 2016 Nov 25. pii: jcs.195305. [Epub ahead of print]

PMID: 27888216

[\[Abstract\]](#)

Disruption of the Cdc42/Par6/aPKC or Dlg/Scrib/Lgl Polarity Complex Promotes Epithelial Proliferation via Overlapping Mechanisms.

Schimizzi GV, Maher MT, Loza AJ, Longmore GD.

PLoS One. 2016 Jul 25;11(7):e0159881. doi: 10.1371/journal.pone.0159881.

PMID: 27454609

[\[Abstract\]](#)

Shared and distinct mechanisms of atonal regulation in Drosophila ocelli and compound eyes.

Zhou Q, DeSantis DF, Friedrich M, Pignoni F.

Dev Biol. 2016 Oct 1;418(1):10-6. doi: 10.1016/j.ydbio.2016.08.025.

PMID: 27565023

[\[Abstract\]](#)

Memory-Relevant Mushroom Body Output Synapses Are Cholinergic.

Barnstedt O, Oswald D, Felsenberg J, Brain R, Moszynski JP, Talbot CB, Perrat PN, Waddell S.

Neuron. 2016 Mar 16;89(6):1237-47. doi: 10.1016/j.neuron.2016.02.015.

PMID: 26948892

[\[Abstract\]](#)

The transcription factor Ets21C drives tumor growth by cooperating with AP-1.

Toggweiler J, Willecke M, Basler K.

Sci Rep. 2016 Oct 7;6:34725. doi: 10.1038/srep34725.

PMID: 27713480

[\[Abstract\]](#)

Somatic stem cell differentiation is regulated by PI3K/Tor signaling in response to local cues.

Amoyel M, Hillion KH, Margolis SR, Bach EA.

Development. 2016 Nov 1;143(21):3914-3925.

PMID: 27633989

[\[Abstract\]](#)

Vamana Couples Fat Signaling to the Hippo Pathway.

Misra JR, Irvine KD.

Dev Cell. 2016 Oct 24;39(2):254-266. doi: 10.1016/j.devcel.2016.09.017.

PMID: 27746048

[\[Abstract\]](#)

An essential step of kinetochore formation controlled by the SNARE protein Snap29.

Morelli E, Mastrodonato V, Beznoussenko GV, Mironov AA, Tognon E, Vaccari T.

EMBO J. 2016 Oct 17;35(20):2223-2237.

PMID: 27647876

[\[Abstract\]](#)

Drosophila Crumbs prevents ectopic Notch activation in developing wings by inhibiting ligand-independent endocytosis.

Nemetschke L, Knust E.

Development. 2016 Dec 1;143(23):4543-4553.

PMID: 27899511

[\[Abstract\]](#)

The hnRNP-Htt axis regulates necrotic cell death induced by transcriptional repression through impaired RNA splicing.

Mao Y, Tamura T, Yuki Y, Abe D, Tamada Y, Imoto S, Tanaka H, Homma H, Tagawa K, Miyano S, Okazawa H.

Cell Death Dis. 2016 Apr 28;7:e2207. doi: 10.1038/cddis.2016.101.

PMID: 27124581

[\[Abstract\]](#)

Loss of Frataxin induces iron toxicity, sphingolipid synthesis, and Pdk1/Mef2 activation, leading to neurodegeneration.

Chen K, Lin G, Haelterman NA, Ho TS, Li T, Li Z, Duraine L, Graham BH, Jaiswal M, Yamamoto S, Rasband MN, Bellen HJ.

Elife. 2016 Jun 25;5. pii: e16043. doi: 10.7554/eLife.16043.

PMID: 27343351

[\[Abstract\]](#)

Mitochondrial Dysfunction Plus High-Sugar Diet Provokes a Metabolic Crisis That Inhibits Growth.

Kemppainen E, George J, Garipler G, Tuomela T, Kiviranta E, Soga T, Dunn CD, Jacobs HT.

PLoS One. 2016 Jan 26;11(1):e0145836. doi: 10.1371/journal.pone.0145836. Erratum in: PLoS One.

2016;11(3):e0151421.

PMID: 26812173

[\[Abstract\]](#)

Insulin-like Signaling Promotes Glial Phagocytic Clearance of Degenerating Axons through Regulation of Draper.

Musashe DT, Purice MD, Speese SD, Doherty J, Logan MA.

Cell Rep. 2016 Aug 16;16(7):1838-50. doi: 10.1016/j.celrep.2016.07.022.

PMID: 27498858

[\[Abstract\]](#)

miR-190 Enhances HIF-Dependent Responses to Hypoxia in *Drosophila* by Inhibiting the Prolyl-4-hydroxylase Fatiga.

De Lella Ezcurra AL, Bertolin AP, Kim K, Katz MJ, Gándara L, Misra T, Luschnig S, Perrimon N, Melani M, Wappner P.

PLoS Genet. 2016 May 25;12(5):e1006073. doi: 10.1371/journal.pgen.1006073.

PMID: 27223464

[\[Abstract\]](#)

Stereotyped responses of *Drosophila* peptidergic neuronal ensemble depend on downstream neuromodulators.

Mena W, Diegelmann S, Wegener C, Ewer J.

Elife. 2016 Dec 15;5. pii: e19686. doi: 10.7554/eLife.19686.

PMID: 27976997

[\[Abstract\]](#)

Escargot and Scratch regulate neural commitment by antagonizing Notch activity in *Drosophila* sensory organs.

Ramat A, Audibert A, Louvet-Vallée S, Simon F, Fichelson P, Gho M.

Development. 2016 Aug 15;143(16):3024-34. doi: 10.1242/dev.134387.

PMID: 27471258

[\[Abstract\]](#)

Differential growth triggers mechanical feedback that elevates Hippo signaling.

Pan Y, Heemskerk I, Ibar C, Shraiman BI, Irvine KD.

Proc Natl Acad Sci U S A. 2016 Oct 26. pii: 201615012. [Epub ahead of print]

PMID: 27791172

[\[Abstract\]](#)

Cell Competition Drives the Formation of Metastatic Tumors in a *Drosophila* Model of Epithelial Tumor Formation.

Eichenlaub T, Cohen SM, Herranz H.

Curr Biol. 2016 Feb 22;26(4):419-27. doi: 10.1016/j.cub.2015.12.042.

PMID: 26853367

[\[Abstract\]](#)

Methods to identify and analyze gene products involved in neuronal intracellular transport using *Drosophila*.

Neisch AL, Avery AW, Machamer JB, Li MG, Hays TS.

Methods Cell Biol. 2016;131:277-309. doi: 10.1016/bs.mcb.2015.06.015.

PMID: 26794520

[\[Abstract\]](#)

Rbf Regulates Drosophila Spermatogenesis via Control of Somatic Stem and Progenitor Cell Fate in the Larval Testis.

Dominado N, La Marca JE, Siddall NA, Heaney J, Tran M, Cai Y, Yu F, Wang H, Somers WG, Quinn LM, Hime GR.

Stem Cell Reports. 2016 Dec 13;7(6):1152-1163. doi: 10.1016/j.stemcr.2016.11.007.

PMID: 27974223

Glycation potentiates neurodegeneration in models of Huntington's disease.

Vicente Miranda H, Gomes MA, Branco-Santos J, Breda C, Lázaro DF, Lopes LV, Herrera F, Giorgini F, Outeiro TF.

Sci Rep. 2016 Nov 18;6:36798. doi: 10.1038/srep36798.

PMID: 27857176

[\[Abstract\]](#)

Epithelia-derived wingless regulates dendrite directional growth of drosophila ddaE neuron through the Fz-Fmi-Dsh-Rac1 pathway.

Li X, Wang Y, Wang H, Liu T, Guo J, Yi W, Li Y.

Mol Brain. 2016 Apr 29;9(1):46. doi: 10.1186/s13041-016-0228-0.

PMID: 27129721

[\[Abstract\]](#)

Amino acid-dependent NPRL2 interaction with Raptor determines mTOR Complex 1 activation.

Kwak SS, Kang KH, Kim S, Lee S, Lee JH, Kim JW, Byun B, Meadows GG, Joe CO.

Cell Signal. 2016 Feb;28(2):32-41. doi: 10.1016/j.cellsig.2015.11.008.

PMID: 26582740

[\[Abstract\]](#)

Systemic corazonin signalling modulates stress responses and metabolism in Drosophila.

Kubrak OI, Lushchak OV, Zandawala M, Nässel DR.

Open Biol. 2016 Nov;6(11). pii: 160152.

PMID: 27810969

[\[Abstract\]](#)

Dynamic myosin activation promotes collective morphology and migration by locally balancing oppositional forces from surrounding tissue.

Aranjuez G, Burtscher A, Sawant K, Majumder P, McDonald JA.

Mol Biol Cell. 2016 Jun 15;27(12):1898-910. doi: 10.1091/mbc.E15-10-0744.

PMID: 27122602

[\[Abstract\]](#)

Functional Interaction between HEXIM and Hedgehog Signaling during Drosophila Wing Development.

Nguyen D, Fayol O, Buisine N, Lecorre P, Uguen P.

PLoS One. 2016 May 13;11(5):e0155438. doi: 10.1371/journal.pone.0155438.

PMID: 27176767

[\[Abstract\]](#)

The corticotropin-releasing factor-like diuretic hormone 44 (DH44) and kinin neuropeptides modulate desiccation and starvation tolerance in Drosophila melanogaster.

Cannell E, Dornan AJ, Halberg KA, Terhzaz S, Dow JA, Davies SA.

Peptides. 2016 Jun;80:96-107. doi: 10.1016/j.peptides.2016.02.004.

PMID: 26896569

[\[Abstract\]](#)

The Extracellular and Cytoplasmic Domains of Syndecan Cooperate Postsynaptically to Promote Synapse Growth at the Drosophila Neuromuscular Junction.

Nguyen MU, Kwong J, Chang J, Gillet VG, Lee RM, Johnson KG.

PLoS One. 2016 Mar 17;11(3):e0151621. doi: 10.1371/journal.pone.0151621.

PMID: 26987116

[\[Abstract\]](#)

TfAP-2 is required for night sleep in Drosophila.

Kucherenko MM, Ilangovan V, Herzig B, Shcherbata HR, Bringmann H.

BMC Neurosci. 2016 Nov 9;17(1):72.

PMID: 27829368

[\[Abstract\]](#)

Glial and neuronal Semaphorin signaling instruct the development of a functional myotopic map for Drosophila walking.

Syed DS, Gowda SB, Reddy OV, Reichert H, VijayRaghavan K.

Elife. 2016 Feb 29;5:e11572. doi: 10.7554/eLife.11572.

PMID: 26926907

[\[Abstract\]](#)

Myt1 inhibition of Cyclin A/Cdk1 is essential for fusome integrity and premeiotic centriole engagement in Drosophila spermatocytes.

Varadarajan R, Ayeni J, Jin Z, Homola E, Campbell SD.

Mol Biol Cell. 2016 Jul 1;27(13):2051-63. doi: 10.1091/mbc.E16-02-0104.

PMID: 27170181

[\[Abstract\]](#)

A Common Suite of Coagulation Proteins Function in Drosophila Muscle Attachment.

Green N, Odell N, Zych M, Clark C, Wang ZH, Biersmith B, Bajzek C, Cook KR, Dushay MS, Geisbrecht E. Genetics. 2016 Aug 31. pii: genetics.116.189787. [Epub ahead of print]

PMID: 27585844

[\[Abstract\]](#)

Regulation of cell polarity determinants by the Retinoblastoma tumor suppressor protein.

Payankulam S, Yeung K, McNeill H, Henry RW, Arnosti DN.

Sci Rep. 2016 Mar 14;6:22879. doi: 10.1038/srep22879.

PMID: 26971715

[\[Abstract\]](#)

The novel tumour suppressor Madm regulates stem cell competition in the Drosophila testis.

Singh SR, Liu Y, Zhao J, Zeng X, Hou SX.

Nat Commun. 2016 Jan 21;7:10473. doi: 10.1038/ncomms10473.

PMID: 26792023

[\[Abstract\]](#)

Mating-Induced Increase in Germline Stem Cells via the Neuroendocrine System in Female Drosophila.

Ameku T, Niwa R.

PLoS Genet. 2016 Jun 16;12(6):e1006123. doi: 10.1371/journal.pgen.1006123.

PMID: 27310920

[\[Abstract\]](#)

Taiman acts as a coactivator of Yorkie in the Hippo pathway to promote tissue growth and intestinal regeneration.

Wang C, Yin MX, Wu W, Dong L, Wang S, Lu Y, Xu J, Wu W, Li S, Zhao Y, Zhang L.

Cell Discov. 2016 Mar 22;2:16006. doi: 10.1038/celldisc.2016.6.

PMID: 27462453

[\[Abstract\]](#)

Drosophila Neprilysins Are Involved in Middle-Term and Long-Term Memory.

Turrel O, Lampin-Saint-Amaux A, Pr at T, Goguel V.

J Neurosci. 2016 Sep 14;36(37):9535-46. doi: 10.1523/JNEUROSCI.3730-15.2016.

PMID: 27629706

[\[Abstract\]](#)

Prefoldin and Pins synergistically regulate asymmetric division and suppress dedifferentiation.

Zhang Y, Rai M, Wang C, Gonzalez C, Wang H.

Sci Rep. 2016 Mar 30;6:23735. doi: 10.1038/srep23735.

PMID: 27025979

[\[Abstract\]](#)

Evaluation of Ligand-Inducible Expression Systems for Conditional Neuronal Manipulations of Sleep in *Drosophila*.

Li Q, Stavropoulos N.

G3 (Bethesda). 2016 Oct 13;6(10):3351-3359. doi: 10.1534/g3.116.034132.

PMID: 27558667

[\[Abstract\]](#)

The cell adhesion molecule Fasciclin2 regulates brush border length and organization in *Drosophila* renal tubules.

Halberg KA, Rainey SM, Veland IR, Neuert H, Dornan AJ, Klämbt C, Davies SA, Dow JA.

Nat Commun. 2016 Apr 13;7:11266. doi: 10.1038/ncomms11266.

PMID: 27072072

[\[Abstract\]](#)

Musashi mediates translational repression of the *Drosophila* hypoxia inducible factor.

Bertolin AP, Katz MJ, Yano M, Pozzi B, Acevedo JM, Blanco-Obregón D, Gándara L, Soriano E, Kanda H, Okano H, Srebrow A, Wappner P.

Nucleic Acids Res. 2016 Sep 19;44(16):7555-67. doi: 10.1093/nar/gkw372.

PMID: 27141964

[\[Abstract\]](#)

ER-shaping proteins are required for ER and mitochondrial network organization in motor neurons.

Fowler PC, O'Sullivan NC.

Hum Mol Genet. 2016 Jul 1;25(13):2827-2837.

PMID: 27170313

[\[Abstract\]](#)

Exploring the Conserved Role of MANF in the Unfolded Protein Response in *Drosophila melanogaster*.

Lindström R, Lindholm P, Kallijärvi J, Palgi M, Saarma M, Heino TI.

PLoS One. 2016 Mar 14;11(3):e0151550. doi: 10.1371/journal.pone.0151550.

PMID: 26975047

[\[Abstract\]](#)

A critical role for the *Drosophila* dopamine D1-like receptor Dop1R2 at the onset of metamorphosis.

Regna K, Kurshan PT, Harwood BN, Jenkins AM, Lai CQ, Muskavitch MA, Kopin AS, Draper I.

BMC Dev Biol. 2016 May 16;16(1):15. doi: 10.1186/s12861-016-0115-z.

PMID: 27184815

[\[Abstract\]](#)

Shot and Patronin polarise microtubules to direct membrane traffic and biogenesis of microvilli in epithelia.

Khanal I, Elbediwy A, Diaz de la Loza Mdel C, Fletcher GC, Thompson BJ.

J Cell Sci. 2016 Jul 1;129(13):2651-9. doi: 10.1242/jcs.189076.

PMID: 27231092

[\[Abstract\]](#)

An evolutionarily conserved mechanism for cAMP elicited axonal regeneration involves direct activation of the dual leucine zipper kinase DLK.

Hao Y, Frey E, Yoon C, Wong H, Nestorovski D, Holzman LB, Giger RJ, DiAntonio A, Collins C.

Elife. 2016 Jun 7;5. pii: e14048. doi: 10.7554/eLife.14048.

PMID: 27268300

[\[Abstract\]](#)

Enhanced flight performance by genetic manipulation of wing shape in Drosophila.

Ray RP, Nakata T, Henningsson P, Bompfrey RJ.

Nat Commun. 2016 Mar 1;7:10851. doi: 10.1038/ncomms10851.

PMID: 26926954

[\[Abstract\]](#)

Modulation of light-driven arousal by LIM-homeodomain transcription factor Apterous in large PDF-positive lateral neurons of the Drosophila brain.

Shimada N, Inami S, Sato S, Kitamoto T, Sakai T.

Sci Rep. 2016 Nov 17;6:37255. doi: 10.1038/srep37255.

PMID: 27853240

[\[Abstract\]](#)

Godzilla-dependent transcytosis promotes Wingless signalling in Drosophila wing imaginal discs.

Yamazaki Y, Palmer L, Alexandre C, Kakugawa S, Beckett K, Gaugue I, Palmer RH, Vincent JP.

Nat Cell Biol. 2016 Apr;18(4):451-7. doi: 10.1038/ncb3325.

PMID: 26974662

[\[Abstract\]](#)

Store-independent modulation of Ca²⁺ entry through Orai by Septin 7.

Deb BK, Pathak T, Hasan G.

Nat Commun. 2016 May 26;7. doi: 10.1038/ncomms11751.

PMID: 27225060

[\[Abstract\]](#)

A feedback amplification loop between stem cells and their progeny promotes tissue regeneration and tumorigenesis.

Chen J, Xu N, Huang H, Cai T, Xi R.

Elife. 2016 May 17;5. pii: e14330. doi: 10.7554/eLife.14330.

PMID: 27187149

[\[Abstract\]](#)

Functional screening of Alzheimer risk loci identifies PTK2B as an in vivo modulator and early marker of Tau pathology.

Dourlen P, Fernandez-Gomez FJ, Dupont C, Grenier-Boley B, Bellenguez C, Obriot H, Caillierez R, Sottejeau Y, Chapuis J, Bretteville A, Abdelfettah F, Delay C, Malmanche N, Soininen H, Hiltunen M, Galas MC, Amouyel P, Sergeant N, Buée L, Lambert JC, Dermaut B.

Mol Psychiatry. 2016 Apr 26. doi: 10.1038/mp.2016.59. [Epub ahead of print]

PMID: 27113998

[\[Abstract\]](#)

Detection of Cell Death in Drosophila Tissues.

Vasudevan D, Ryoo HD.

Methods Mol Biol. 2016;1419:131-44. doi: 10.1007/978-1-4939-3581-9_11.

PMID: 27108437

[\[Abstract\]](#)

Drosophila clueless is involved in Parkin-dependent mitophagy by promoting VCP-mediated Marf degradation.

Wang ZH, Clark C, Geisbrecht ER.

Hum Mol Genet. 2016 May 15;25(10):1946-1964.

PMID: 26931463

[\[Abstract\]](#)

RNA helicase Belle (DDX3) is essential for male germline stem cell maintenance and division in Drosophila.

Kotov AA, Olenkina OM, Kibanov MV, Olenina LV.

Biochim Biophys Acta. 2016 Jun;1863(6 Pt A):1093-105. doi: 10.1016/j.bbamcr.2016.02.006.

PMID: 26876306

[\[Abstract\]](#)

Angelman Syndrome Protein Ube3a Regulates Synaptic Growth and Endocytosis by Inhibiting BMP Signaling in Drosophila.

Li W, Yao A, Zhi H, Kaur K, Zhu YC, Jia M, Zhao H, Wang Q, Jin S, Zhao G, Xiong ZQ, Zhang YQ.

PLoS Genet. 2016 May 27;12(5):e1006062. doi: 10.1371/journal.pgen.1006062.

PMID: 27232889

[\[Abstract\]](#)

Drosophila Lung Cancer Models Identify Trametinib plus Statin as Candidate Therapeutic.

Levine BD, Cagan RL.

Cell Rep. 2016 Feb 16;14(6):1477-87. doi: 10.1016/j.celrep.2015.12.105.

PMID: 26832408

[\[Abstract\]](#)

Ubiquitination via K27 and K29 chains signals aggregation and neuronal protection of LRRK2 by WSB1.

Nucifora FC Jr, Nucifora LG, Ng CH, Arbez N, Guo Y, Roby E, Shani V, Engelender S, Wei D, Wang XF, Li T, Moore DJ, Pletnikova O, Troncoso JC, Sawa A, Dawson TM, Smith W, Lim KL, Ross CA.

Nat Commun. 2016 Jun 7;7:11792. doi: 10.1038/ncomms11792.

PMID: 27273569

[\[Abstract\]](#)

The microtubule-severing protein fidgetin acts after dendrite injury to promote their degeneration.

Tao J, Feng C, Rolls MM.

J Cell Sci. 2016 Sep 1;129(17):3274-81. doi: 10.1242/jcs.188540.

PMID: 27411367

[\[Abstract\]](#)

dTRPA1 in Non-circadian Neurons Modulates Temperature-dependent Rhythmic Activity in *Drosophila melanogaster*.

Das A, Holmes TC, Sheeba V.

J Biol Rhythms. 2016 Jun;31(3):272-88. doi: 10.1177/0748730415627037.

PMID: 26868037

[\[Abstract\]](#)

mir-276a strengthens *Drosophila* circadian rhythms by regulating timeless expression.

Chen X, Rosbash M.

Proc Natl Acad Sci U S A. 2016 May 24;113(21):E2965-72. doi: 10.1073/pnas.1605837113.

PMID: 27162360

[\[Abstract\]](#)

Toll Receptor-Mediated Hippo Signaling Controls Innate Immunity in *Drosophila*.

Liu B, Zheng Y, Yin F, Yu J, Silverman N, Pan D.

Cell. 2016 Jan 28;164(3):406-19. doi: 10.1016/j.cell.2015.12.029.

PMID: 26824654

[\[Abstract\]](#)

Optimization of wrMTck to monitor *Drosophila* larval locomotor activity.

Brooks DS, Vishal K, Kawakami J, Bouyain S, Geisbrecht ER.

J Insect Physiol. 2016 Oct - Nov;93-94:11-17. doi: 10.1016/j.jinsphys.2016.07.007.

PMID: 27430166

[\[Abstract\]](#)

Signaling through the G-protein-coupled receptor Rickets is important for polarity, detachment, and migration of the border cells in *Drosophila*.

Anllo L, Schüpbach T.

Dev Biol. 2016 Jun 15;414(2):193-206. doi: 10.1016/j.ydbio.2016.04.017.

PMID: 27130192

[\[Abstract\]](#)

Snail controls proliferation of *Drosophila* ovarian epithelial follicle stem cells, independently of E-cadherin.

Tseng CY, Kao SH, Hsu HJ.

Dev Biol. 2016 Jun 15;414(2):142-8. doi: 10.1016/j.ydbio.2016.04.022.

PMID: 27141871

[\[Abstract\]](#)

RNA helicase Belle/DDX3 regulates transgene expression in *Drosophila*.

Lo PK, Huang YC, Poulton JS, Leake N, Palmer WH, Vera D, Xie G, Klusza S, Deng WM.

Dev Biol. 2016 Apr 1;412(1):57-70. doi: 10.1016/j.ydbio.2016.02.014.

PMID: 26900887

[\[Abstract\]](#)

Extracellular matrix downregulation in the *Drosophila* heart preserves contractile function and improves lifespan.

Sessions AO, Kaushik G, Parker S, Raedschelders K, Bodmer R, Van Eyk JE, Engler AJ.

Matrix Biol. 2016 Oct 25. pii: S0945-053X(16)30219-0. doi: 10.1016/j.matbio.2016.10.008. [Epub ahead of print]

PMID: 27793636

[\[Abstract\]](#)

The exon junction complex regulates the splicing of cell polarity gene *dlg1* to control Wingless signaling in development.

Liu M, Li Y, Liu A, Li R, Su Y, Du J, Li C, Zhu AJ.

Elife. 2016 Aug 18;5. pii: e17200. doi: 10.7554/eLife.17200.

PMID: 27536874

[\[Abstract\]](#)

Regulation of Hippo signalling by p38 signalling.

Huang D, Li X, Sun L, Huang P, Ying H, Wang H, Wu J, Song H.

J Mol Cell Biol. 2016 Aug;8(4):328-37. doi: 10.1093/jmcb/mjw036.

PMID: 27402810

[\[Abstract\]](#)

Regulation of Smoothed Phosphorylation and High-Level Hedgehog Signaling Activity by a Plasma Membrane Associated Kinase.

Li S, Li S, Han Y, Tong C, Wang B, Chen Y, Jiang J.

PLoS Biol. 2016 Jun 9;14(6):e1002481. doi: 10.1371/journal.pbio.1002481.

PMID: 27280464

[\[Abstract\]](#)

The Female Post-Mating Response Requires Genes Expressed in the Secondary Cells of the Male Accessory Gland in *Drosophila melanogaster*.

Sitnik JL, Gligorov D, Maeda RK, Karch F, Wolfner MF.

Genetics. 2016 Mar;202(3):1029-41. doi: 10.1534/genetics.115.181644.

PMID: 26746709

[\[Abstract\]](#)

A Role for the Twins Protein Phosphatase (PP2A-B55) in the Maintenance of *Drosophila* Genome Integrity.

Merigliano C, Marzio A, Renda F, Somma MP, Gatti M, Verni F.

Genetics. 2016 Dec 30. pii: genetics.116.192781. doi: 10.1534/genetics.116.192781. [Epub ahead of print]

PMID: 28040742

[\[Abstract\]](#)

Regulation of Stem Cell Proliferation and Cell Fate Specification by Wingless/Wnt Signaling Gradients Enriched at Adult Intestinal Compartment Boundaries.

Tian A, Benchabane H, Wang Z, Ahmed Y.

PLoS Genet. 2016 Feb 4;12(2):e1005822. doi: 10.1371/journal.pgen.1005822.

PMID: 26845150

[\[Abstract\]](#)

Septate Junction Proteins Play Essential Roles in Morphogenesis Throughout Embryonic Development in *Drosophila*.

Hall S, Ward RE 4th.

G3 (Bethesda). 2016 Aug 9;6(8):2375-84. doi: 10.1534/g3.116.031427.

PMID: 27261004

[\[Abstract\]](#)

Glial expression of Swiss cheese (SWS), the *Drosophila* orthologue of neuropathy target esterase (NTE), is required for neuronal ensheathment and function.

Dutta S, Rieche F, Eckl N, Duch C, Kretschmar D.

Dis Model Mech. 2016 Mar;9(3):283-94. doi: 10.1242/dmm.022236.

PMID: 26634819

[\[Abstract\]](#)

Knockdown of Dynamitin in testes significantly decreased male fertility in *Drosophila melanogaster*.

Wu CH, Zong Q, Du AL, Zhang W, Yao HC, Yu XQ, Wang YF.

Dev Biol. 2016 Dec 1;420(1):79-89. doi: 10.1016/j.ydbio.2016.10.007.

PMID: 27742209

[\[Abstract\]](#)

The Hippo signalling pathway maintains quiescence in Drosophila neural stem cells.

Ding R, Weynans K, Bossing T, Barros CS, Berger C.

Nat Commun. 2016 Jan 29;7:10510. doi: 10.1038/ncomms10510.

PMID: 26821647

[\[Abstract\]](#)

Positive geotactic behaviors induced by geomagnetic field in Drosophila.

Bae JE, Bang S, Min S, Lee SH, Kwon SH, Lee Y, Lee YH, Chung J, Chae KS.

Mol Brain. 2016 May 18;9(1):55. doi: 10.1186/s13041-016-0235-1.

PMID: 27192976

[\[Abstract\]](#)

Phenotypic Plasticity through Transcriptional Regulation of the Evolutionary Hotspot Gene tan in Drosophila melanogaster.

Gibert JM, Mouchel-Vielh E, De Castro S, Peronnet F.

PLoS Genet. 2016 Aug 10;12(8):e1006218. doi: 10.1371/journal.pgen.1006218.

PMID: 27508387

[\[Abstract\]](#)

Chitinases and Imaginal disc growth factors organize the extracellular matrix formation at barrier tissues in insects.

Pesch YY, Riedel D, Patil KR, Loch G, Behr M.

Sci Rep. 2016 Feb 3;6:18340. doi: 10.1038/srep18340.

PMID: 26838602

[\[Abstract\]](#)

14-3-3 proteins regulate Tctp-Rheb interaction for organ growth in Drosophila.

Le TP, Vuong LT, Kim AR, Hsu YC, Choi KW.

Nat Commun. 2016 May 6;7:11501. doi: 10.1038/ncomms11501.

PMID: 27151460

[\[Abstract\]](#)

Drosophila Torsin Protein Regulates Motor Control and Stress Sensitivity and Forms a Complex with Fragile-X Mental Retardation Protein.

Nguyen P, Seo JB, Ahn HM, Koh YH.

Neural Plast. 2016;2016:6762086. doi: 10.1155/2016/6762086.

PMID: 27313903

[\[Abstract\]](#)

Minibrain and Wings apart control organ growth and tissue patterning through down-regulation of Capicua.

Yang L, Paul S, Trieu KG, Dent LG, Froldi F, Forés M, Webster K, Siegfried KR, Kondo S, Harvey K, Cheng L,

Jiménez G, Shvartsman SY, Veraksa A.

Proc Natl Acad Sci U S A. 2016 Sep 20;113(38):10583-8. doi: 10.1073/pnas.1609417113.

PMID: 27601662

[\[Abstract\]](#)

Three mechanisms control E-cadherin localization to the zonula adherens.

Woichansky I, Beretta CA, Berns N, Riechmann V.

Nat Commun. 2016 Mar 10;7:10834. doi: 10.1038/ncomms10834.

PMID: 26960923

[\[Abstract\]](#)

Socs36E Controls Niche Competition by Repressing MAPK Signaling in the Drosophila Testis.

Amoyel M, Anderson J, Suisse A, Glasner J, Bach EA.

PLoS Genet. 2016 Jan 25;12(1):e1005815. doi: 10.1371/journal.pgen.1005815.

PMID: 26807580

[\[Abstract\]](#)

Drosophila WASH is required for integrin-mediated cell adhesion, cell motility and lysosomal neutralization.

Nagel BM, Bechtold M, Rodriguez LG, Bogdan S.

J Cell Sci. 2016 Nov 24. pii: jcs.193086. [Epub ahead of print]

PMID: 27884932

[\[Abstract\]](#)

Neural circuitry coordinating male copulation.

Pavlou HJ, Lin AC, Neville MC, Nojima T, Diao F, Chen BE, White BH, Goodwin SF.

Elife. 2016 Nov 15;5. pii: e20713. doi: 10.7554/eLife.20713.

PMID: 27855059

[\[Abstract\]](#)

Allatostatin A Signalling in Drosophila Regulates Feeding and Sleep and Is Modulated by PDF.

Chen J, Reiher W, Hermann-Luibl C, Sellami A, Cognigni P, Kondo S, Helfrich-Förster C, Veenstra JA, Wegener C.

PLoS Genet. 2016 Sep 30;12(9):e1006346. doi: 10.1371/journal.pgen.1006346. Erratum in: PLoS Genet.

2016 Dec 6;12(12):e1006492.

PMID: 27689358

[\[Abstract\]](#)

PKC in motorneurons underlies self-learning, a form of motor learning in Drosophila.

Colomb J, Brembs B.

PeerJ. 2016 Apr 25;4:e1971. doi: 10.7717/peerj.1971.

PMID: 27168980

[\[Abstract\]](#)

An obligatory role for neurotensin in high-fat-diet-induced obesity.

Li J, Song J, Zaytseva YY, Liu Y, Rychahou P, Jiang K, Starr ME, Kim JT, Harris JW, Yiannikouris FB, Katz WS, Nilsson PM, Orho-Melander M, Chen J, Zhu H, Fahrenholz T, Higashi RM, Gao T, Morris AJ, Cassis LA, Fan TW, Weiss HL, Dobner PR, Melander O, Jia J, Evers BM.

Nature. 2016 May 19;533(7603):411-5. doi: 10.1038/nature17662.

PMID: 27193687

[\[Abstract\]](#)

Circadian neuron feedback controls the Drosophila sleep--activity profile.

Guo F, Yu J, Jung HJ, Abruzzi KC, Luo W, Griffith LC, Rosbash M.

Nature. 2016 Aug 18;536(7616):292-7.

PMID: 27479324

[\[Abstract\]](#)

The Insulin-Like Proteins dILPs-2/5 Determine Diapause Inducibility in Drosophila.

Schiesari L, Andreatta G, Kyriacou CP, O'Connor MB, Costa R.

PLoS One. 2016 Sep 30;11(9):e0163680. doi: 10.1371/journal.pone.0163680.

PMID: 27689881

[\[Abstract\]](#)

TransgeneOmics--A transgenic platform for protein localization based function exploration.

Hasse S, Hyman AA, Sarov M.

Methods. 2016 Mar 1;96:69-74. doi: 10.1016/j.ymeth.2015.10.005. Review.

PMID: 26475212

[\[Abstract\]](#)

Single neuron transcriptomics identify SRSF/SR protein B52 as a regulator of axon growth and Choline acetyltransferase splicing.

Liu B, Bossing T.

Sci Rep. 2016 Oct 11;6:34952. doi: 10.1038/srep34952.

PMID: 27725692

[\[Abstract\]](#)

An accelerated miRNA-based screen implicates Atf-3 in Drosophila odorant receptor expression.

Bhat S, Jones WD.

Sci Rep. 2016 Feb 5;6:20109. doi: 10.1038/srep20109.

PMID: 26848073

[\[Abstract\]](#)

The sexual identity of adult intestinal stem cells controls organ size and plasticity.

Hudry B, Khadayate S, Miguel-Aliaga I.

Nature. 2016 Feb 18;530(7590):344-8. doi: 10.1038/nature16953.

PMID: 26887495

[\[Abstract\]](#)

A homozygous FITM2 mutation causes a deafness-dystonia syndrome with motor regression and signs of ichthyosis and sensory neuropathy.

Seco CZ, Castells-Nobau A, Joo SH, Schraders M, Foo JN, van der Voet M, Velan SS, Nijhof B, Oostrik J, de Vrieze E, Katana R, Mansoor A, Huynen M, Szklarczyk R, Oti M, Tranebjærg L, van Wijk E, Scheffer-de Gooyert JM, Siddique S, Baets J, de Jonghe P, Kazmi SA, Sadananthan SA, van de Warrenburg BP, Khor CC, Göpfert MC, Qamar R, Schenck A, Kremer H, Siddiqi S.

Dis Model Mech. 2016 Dec 15. pii: dmm.026476. doi: 10.1242/dmm.026476. [Epub ahead of print]

PMID: 28067622

[\[Abstract\]](#)

Developmental inhibition of miR-iab8-3p disrupts mushroom body neuron structure and adult learning ability.

Busto GU, Guven-Ozkan T, Chakraborty M, Davis RL.

Dev Biol. 2016 Nov 15;419(2):237-249. doi: 10.1016/j.ydbio.2016.09.010.

PMID: 27634569

[\[Abstract\]](#)

Two different specific JNK activators are required to trigger apoptosis or compensatory proliferation in response to Rbf1 in Drosophila.

Clavier A, Rincheval-Arnold A, Baillet A, Mignotte B, Guénel I.

Cell Cycle. 2016;15(2):283-94. doi: 10.1080/15384101.2015.1100776.

PMID: 26825229

[\[Abstract\]](#)

Positioning of centrioles is a conserved readout of Frizzled planar cell polarity signalling.

Carvajal-Gonzalez JM, Roman AC, Mlodzik M.

Nat Commun. 2016 Mar 29;7:11135. doi: 10.1038/ncomms11135.

PMID: 27021213

[\[Abstract\]](#)

Functional PDF Signaling in the Drosophila Circadian Neural Circuit Is Gated by Ral A-Dependent Modulation.

Klose M, Duvall LB, Li W, Liang X, Ren C, Steinbach JH, Taghert PH.

Neuron. 2016 May 18;90(4):781-94. doi: 10.1016/j.neuron.2016.04.002.

PMID: 27161526

[\[Abstract\]](#)

Nanos-mediated repression of hid protects larval sensory neurons after a global switch in sensitivity to apoptotic signals.

Bhogal B, Plaza-Jennings A, Gavis ER.
Development. 2016 Jun 15;143(12):2147-59. doi: 10.1242/dev.132415.
PMID: 27256879

[\[Abstract\]](#)

Wnt4 is required for ostia development in the Drosophila heart.

Chen Z, Zhu JY, Fu Y, Richman A, Han Z.
Dev Biol. 2016 May 15;413(2):188-98. doi: 10.1016/j.ydbio.2016.03.008.
PMID: 26994311

[\[Abstract\]](#)

Practical Recommendations for the Use of the GeneSwitch Gal4 System to Knock-Down Genes in Drosophila melanogaster.

Scialo F, Sriram A, Stefanatos R, Sanz A.
PLoS One. 2016 Aug 29;11(8):e0161817. doi: 10.1371/journal.pone.0161817.
PMID: 27570965

[\[Abstract\]](#)

C-terminal Src Kinase Gates Homeostatic Synaptic Plasticity and Regulates Fasciclin II Expression at the Drosophila Neuromuscular Junction.

Spring AM, Brusich DJ, Frank CA.
PLoS Genet. 2016 Feb 22;12(2):e1005886. doi: 10.1371/journal.pgen.1005886.
PMID: 26901416

[\[Abstract\]](#)

Notch stimulates growth by direct regulation of genes involved in the control of glycolysis and the tricarboxylic acid cycle.

Slaninova V, Krafcikova M, Perez-Gomez R, Steffal P, Trantirek L, Bray SJ, Krejci A.
Open Biol. 2016 Feb;6(2):150155. doi: 10.1098/rsob.150155.
PMID: 26887408

[\[Abstract\]](#)

The Insect Prothoracic Gland as a Model for Steroid Hormone Biosynthesis and Regulation.

Ou Q, Zeng J, Yamanaka N, Brakken-Thal C, O'Connor MB, King-Jones K.
Cell Rep. 2016 Jun 28;16(1):247-62. doi: 10.1016/j.celrep.2016.05.053.
PMID: 27320926

[\[Abstract\]](#)

PI(4)P Promotes Phosphorylation and Conformational Change of Smoothed through Interaction with Its C-terminal Tail.

Jiang K, Liu Y, Fan J, Zhang J, Li XA, Evers BM, Zhu H, Jia J.
PLoS Biol. 2016 Feb 10;14(2):e1002375. doi: 10.1371/journal.pbio.1002375.

PMID: 26863604

[\[Abstract\]](#)

A phospho-dependent mechanism involving NCoR and KMT2D controls a permissive chromatin state at Notch target genes.

Oswald F, Rodriguez P, Giaimo BD, Antonello ZA, Mira L, Mittler G, Thiel VN, Collins KJ, Tabaja N, Cizelsky W, Rothe M, Kühl SJ, Kühl M, Ferrante F, Hein K, Kovall RA, Dominguez M, Borggreffe T. Nucleic Acids Res. 2016 Jun 2;44(10):4703-20. doi: 10.1093/nar/gkw105.

PMID: 26912830

[\[Abstract\]](#)

Role of the ABC transporter Mdr49 in Hedgehog signaling and germ cell migration.

Deshpande G, Manry D, Jourjine N, Mogila V, Mozes H, Bialistoky T, Gerlitz O, Schedl P. Development. 2016 Jun 15;143(12):2111-20. doi: 10.1242/dev.133587.

PMID: 27122170

[\[Abstract\]](#)

Bilaterian Giant Ankyrins Have a Common Evolutionary Origin and Play a Conserved Role in Patterning the Axon Initial Segment.

Jegla T, Nguyen MM, Feng C, Goetschius DJ, Luna E, van Rossum DB, Kamel B, Pisupati A, Milner ES, Rolls MM.

PLoS Genet. 2016 Dec 2;12(12):e1006457. doi: 10.1371/journal.pgen.1006457.

PMID: 27911898

[\[Abstract\]](#)

Localized JNK signaling regulates organ size during development.

Willsey HR, Zheng X, Carlos Pastor-Pareja J, Willsey AJ, Beachy PA, Xu T. Elife. 2016 Mar 14;5. pii: e11491. doi: 10.7554/eLife.11491.

PMID: 26974344

[\[Abstract\]](#)

Drosophila Vision Depends on Carcinine Uptake by an Organic Cation Transporter.

Chaturvedi R, Luan Z, Guo P, Li HS.

Cell Rep. 2016 Mar 8;14(9):2076-83. doi: 10.1016/j.celrep.2016.02.009.

PMID: 26923590

[\[Abstract\]](#)

Neural stem cell-encoded temporal patterning delineates an early window of malignant susceptibility in Drosophila.

Narbonne-Reveau K, Lanet E, Dillard C, Foppolo S, Chen CH, Parrinello H, Rialle S, Sokol NS, Maurange C. Elife. 2016 Jun 14;5. pii: e13463. doi: 10.7554/eLife.13463.

PMID: 27296804

[\[Abstract\]](#)

Genetic architecture of natural variation in visual senescence in *Drosophila*.

Carbone MA, Yamamoto A, Huang W, Lyman RA, Meadors TB, Yamamoto R, Anholt RR, Mackay TF.
Proc Natl Acad Sci U S A. 2016 Oct 25;113(43):E6620-E6629.

PMID: 27791033

[\[Abstract\]](#)

Insulin and TOR signal in parallel through FOXO and S6K to promote epithelial wound healing.

Kakanj P, Moussian B, Grönke S, Bustos V, Eming SA, Partridge L, Leptin M.

Nat Commun. 2016 Oct 7;7:12972. doi: 10.1038/ncomms12972.

PMID: 27713427

[\[Abstract\]](#)

Plexins function in epithelial repair in both *Drosophila* and zebrafish.

Yoo SK, Pascoe HG, Pereira T, Kondo S, Jacinto A, Zhang X, Hariharan IK.

Nat Commun. 2016 Jul 25;7:12282. doi: 10.1038/ncomms12282.

PMID: 27452696

[\[Abstract\]](#)

Modeling congenital disease and inborn errors of development in *Drosophila melanogaster*.

Moulton MJ, Letsou A.

Dis Model Mech. 2016 Mar;9(3):253-69. doi: 10.1242/dmm.023564. Review.

PMID: 26935104

[\[Abstract\]](#)

The lipolysis pathway sustains normal and transformed stem cells in adult *Drosophila*.

Singh SR, Zeng X, Zhao J, Liu Y, Hou G, Liu H, Hou SX.

Nature. 2016 Oct 6;538(7623):109-113. doi: 10.1038/nature19788.

PMID: 27680705

[\[Abstract\]](#)

Transcriptome Analysis of *Drosophila melanogaster* Third Instar Larval Ring Glands Points to Novel Functions and Uncovers a Cytochrome p450 Required for Development.

Christesen D, Yang YT, Somers J, Robin C, Sztal T, Batterham P, Perry T.

G3 (Bethesda). 2016 Dec 14. pii: g3.116.037333. doi: 10.1534/g3.116.037333. [Epub ahead of print]

PMID: 27974438

[\[Abstract\]](#)

Targeted Downregulation of s36 Protein Unearths its Cardinal Role in Chorion Biogenesis and Architecture during *Drosophila melanogaster* Oogenesis.

Velentzas AD, Velentzas PD, Sagioglou NE, Konstantakou EG, Anagnostopoulos AK, Tsioka MM, Mpakou VE, Kollia Z, Consoulas C, Margaritis LH, Papassideri IS, Tsangaris GT, Sarantopoulou E, Cefalas AC, Stravopodis DJ.

Sci Rep. 2016 Oct 18;6:35511. doi: 10.1038/srep35511.

PMID: 27752139

[\[Abstract\]](#)

Different cell cycle modifications repress apoptosis at different steps independent of developmental signaling in *Drosophila*.

Qi S, Calvi BR.

Mol Biol Cell. 2016 Jun 15;27(12):1885-97. doi: 10.1091/mbc.E16-03-0139.

PMID: 27075174

[\[Abstract\]](#)

Phagocytosis genes nonautonomously promote developmental cell death in the *Drosophila* ovary.

Timmons AK, Mondragon AA, Schenkel CE, Yalonetskaya A, Taylor JD, Moynihan KE, Etchegaray JI, Meehan TL, McCall K.

Proc Natl Acad Sci U S A. 2016 Mar 1;113(9):E1246-55. doi: 10.1073/pnas.1522830113.

PMID: 26884181

[\[Abstract\]](#)

Unique and Overlapping Functions of Formins Frl and DAAM During Ommatidial Rotation and Neuronal Development in *Drosophila*.

Dollar G, Gombos R, Barnett AA, Sanchez Hernandez D, Maung SM, Mihály J, Jenny A.

Genetics. 2016 Mar;202(3):1135-51. doi: 10.1534/genetics.115.181438.

PMID: 26801180

[\[Abstract\]](#)

***Drosophila* neprilysins control insulin signaling and food intake via cleavage of regulatory peptides.**

Hallier B, Schiemann R, Cordes E, Vitos-Faleato J, Walter S, Heinisch JJ, Malmendal A, Paululat A, Meyer H. Elife. 2016 Dec 6;5. pii: e19430. doi: 10.7554/eLife.19430.

PMID: 27919317

[\[Abstract\]](#)

Feedback from rhodopsin controls rhodopsin exclusion in *Drosophila* photoreceptors.

Vasiliauskas D, Mazzoni EO, Sprecher SG, Brodetskiy K, Johnston RJ Jr, Lidder P, Vogt N, Celik A, Desplan C. Nature. 2011 Oct 9;479(7371):108-12. doi: 10.1038/nature10451.

PMID: 21983964

[\[Abstract\]](#)

Cross-phenotype association tests uncover genes mediating nutrient response in *Drosophila*.

Nelson CS, Beck JN, Wilson KA, Pilcher ER, Kapahi P, Brem RB.

BMC Genomics. 2016 Nov 4;17(1):867.

PMID: 27809764

[\[Abstract\]](#)

Postprandial sleep mechanics in *Drosophila*.

Murphy KR, Deshpande SA, Yurgel ME, Quinn JP, Weissbach JL, Keene AC, Dawson-Scully K, Huber R, Tomchik SM, Ja WW.

Elife. 2016 Nov 22;5. pii: e19334. doi: 10.7554/eLife.19334.

PMID: 27873574

[\[Abstract\]](#)

Structural and Genetic Studies Demonstrate Neurologic Dysfunction in Triosephosphate Isomerase Deficiency Is Associated with Impaired Synaptic Vesicle Dynamics.

Roland BP, Zeccola AM, Larsen SB, Amrich CG, Talsma AD, Stuchul KA, Heroux A, Levitan ES, VanDemark AP, Palladino MJ.

PLoS Genet. 2016 Mar 31;12(3):e1005941. doi: 10.1371/journal.pgen.1005941.

PMID: 27031109

[\[Abstract\]](#)

Vascular control of the *Drosophila* haematopoietic microenvironment by Slit/Robo signalling.

Morin-Poulard I, Sharma A, Louradour I, Vanzo N, Vincent A, Crozatier M.

Nat Commun. 2016 May 19;7:11634. doi: 10.1038/ncomms11634.

PMID: 27193394

[\[Abstract\]](#)

Genetic and Genomic Response to Selection for Food Consumption in *Drosophila melanogaster*.

Garlapow ME, Everett LJ, Zhou S, Gearhart AW, Fay KA, Huang W, Morozova TV, Arya GH, Turlapati L, St Armour G, Hussain YN, McAdams SE, Fochler S, Mackay TF.

Behav Genet. 2016 Oct 5. [Epub ahead of print]

PMID: 27704301

[\[Abstract\]](#)

Borderless regulates glial extension and axon ensheathment.

Cameron S, Chen Y, Rao Y.

Dev Biol. 2016 Jun 15;414(2):170-80. doi: 10.1016/j.ydbio.2016.04.020.

PMID: 27131624

[\[Abstract\]](#)

Deubiquitinase Usp8 regulates α -synuclein clearance and modifies its toxicity in Lewy body disease.

Alexopoulou Z, Lang J, Perrett RM, Elschami M, Hurry ME, Kim HT, Mazaraki D, Szabo A, Kessler BM, Goldberg AL, Ansorge O, Fulga TA, Tofaris GK.

Proc Natl Acad Sci U S A. 2016 Aug 9;113(32):E4688-97. doi: 10.1073/pnas.1523597113.

PMID: 27444016

[\[Abstract\]](#)

Dietary rescue of altered metabolism gene reveals unexpected *Drosophila* mating cues.

Bousquet F, Chauvel I, Flaven-Pouchon J, Farine JP, Ferveur JF.

J Lipid Res. 2016 Mar;57(3):443-50. doi: 10.1194/jlr.M064683.

PMID: 26759364

[\[Abstract\]](#)

c-Fos Repression by Piwi Regulates *Drosophila* Ovarian Germline Formation and Tissue Morphogenesis.

Klein JD, Qu C, Yang X, Fan Y, Tang C, Peng JC.

PLoS Genet. 2016 Sep 13;12(9):e1006281. doi: 10.1371/journal.pgen.1006281.

PMID: 27622269

[\[Abstract\]](#)

Control of apoptosis by *Drosophila* DCAF12.

Hwangbo DS, Biteau B, Rath S, Kim J, Jasper H.

Dev Biol. 2016 May 1;413(1):50-9. doi: 10.1016/j.ydbio.2016.03.003.

PMID: 26972874

[\[Abstract\]](#)

Tissue nonautonomous effects of fat body methionine metabolism on imaginal disc repair in *Drosophila*.

Kashio S, Obata F, Zhang L, Katsuyama T, Chihara T, Miura M.

Proc Natl Acad Sci U S A. 2016 Feb 16;113(7):1835-40. doi: 10.1073/pnas.1523681113.

PMID: 26831070

[\[Abstract\]](#)

Knockdown of the *Drosophila* FIG4 induces deficient locomotive behavior, shortening of motor neuron, axonal targeting aberration, reduction of life span and defects in eye development.

Kyotani A, Azuma Y, Yamamoto I, Yoshida H, Mizuta I, Mizuno T, Nakagawa M, Tokuda T, Yamaguchi M.

Exp Neurol. 2016 Mar;277:86-95. doi: 10.1016/j.expneurol.2015.12.011.

PMID: 26708557

[\[Abstract\]](#)

The de-ubiquitylating enzyme DUBA is essential for spermatogenesis in *Drosophila*.

Koerver L, Melzer J, Roca EA, Teichert D, Glatter T, Arama E, Broemer M.

Cell Death Differ. 2016 Dec;23(12):2019-2030. doi: 10.1038/cdd.2016.79.

PMID: 27518434

[\[Abstract\]](#)

Increased avidity for Dpp/BMP2 maintains the proliferation of progenitors-like cells in the *Drosophila* eye.

Neto M, Aguilar-Hidalgo D, Casares F.

Dev Biol. 2016 Oct 1;418(1):98-107. doi: 10.1016/j.ydbio.2016.08.004.

PMID: 27502436

[\[Abstract\]](#)

Charon Mediates Immune Deficiency-Driven PARP-1-Dependent Immune Responses in Drosophila.

Ji Y, Thomas C, Tulin N, Lodhi N, Boamah E, Kolenko V, Tulin AV.

J Immunol. 2016 Sep 15;197(6):2382-9. doi: 10.4049/jimmunol.1600994.

PMID: 27527593

[\[Abstract\]](#)

New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk.

Lu Y, Day FR, Gustafsson S, Buchkovich ML, Na J, Bataille V, et al

Nat Commun. 2016 Feb 1;7:10495. doi: 10.1038/ncomms10495.

PMID:26833246

[\[Abstract\]](#)

Drosophila O-GlcNAcase Deletion Globally Perturbs Chromatin O-GlcNAcylation.

Akan I, Love DC, Harwood KR, Bond MR, Hanover JA.

J Biol Chem. 2016 May 6;291(19):9906-19. doi: 10.1074/jbc.M115.704783.

PMID: 26957542

[\[Abstract\]](#)

Genetic basis of octanoic acid resistance in Drosophila sechellia: functional analysis of a fine-mapped region.

Andrade López JM, Lanno SM, Auerbach JM, Moskowitz EC, Sligar LA, Wittkopp PJ, Coolon JD.

Mol Ecol. 2016 Dec 30. doi: 10.1111/mec.14001. [Epub ahead of print]

PMID: 28035709

[\[Abstract\]](#)

Obp56h Modulates Mating Behavior in Drosophila melanogaster.

Shorter JR, Dembeck LM, Everett LJ, Morozova TV, Arya GH, Turlapati L, St Armour GE, Schal C, Mackay TF, Anholt RR.

G3 (Bethesda). 2016 Oct 13;6(10):3335-3342. doi: 10.1534/g3.116.034595.

PMID: 27558663

[\[Abstract\]](#)

Neuropeptides Modulate Female Chemosensory Processing upon Mating in Drosophila.

Hussain A, Üçpınar HK, Zhang M, Loschek LF, Grunwald Kadow IC.

PLoS Biol. 2016 May 4;14(5):e1002455. doi: 10.1371/journal.pbio.1002455. Erratum in: PLoS Biol. 2016 Jun;14(6):e1002504.

PMID: 27145127

[\[Abstract\]](#)

Dbo/Henji Modulates Synaptic dPAK to Gate Glutamate Receptor Abundance and Postsynaptic Response.

Wang M, Chen PY, Wang CH, Lai TT, Tsai PI, Cheng YJ, Kao HH, Chien CT.

PLoS Genet. 2016 Oct 13;12(10):e1006362. doi: 10.1371/journal.pgen.1006362.

PMID: 27736876

[\[Abstract\]](#)

The postsynaptic t-SNARE Syntaxin 4 controls traffic of Neuroligin 1 and Synaptotagmin 4 to regulate retrograde signaling.

Harris KP, Zhang YV, Piccioli ZD, Perrimon N, Littleton JT.

Elife. 2016 May 25;5. pii: e13881. doi: 10.7554/eLife.13881.

PMID: 27223326

[\[Abstract\]](#)

Visual Attention in Flies-Dopamine in the Mushroom Bodies Mediates the After-Effect of Cueing.

Koenig S, Wolf R, Heisenberg M.

PLoS One. 2016 Aug 29;11(8):e0161412. doi: 10.1371/journal.pone.0161412.

PMID: 27571359

[\[Abstract\]](#)

Drosophila larval to pupal switch under nutrient stress requires IP3R/Ca(2+) signalling in glutamatergic interneurons.

Jayakumar S, Richhariya S, Reddy OV, Texada MJ, Hasan G.

Elife. 2016 Aug 5;5. pii: e17495. doi: 10.7554/eLife.17495.

PMID: 27494275

[\[Abstract\]](#)

Snoo and Dpp Act as Spatial and Temporal Regulators Respectively of Adult Progenitor Cells in the Drosophila Trachea.

Djabrayan NJ, Casanova J.

PLoS Genet. 2016 Mar 4;12(3):e1005909. doi: 10.1371/journal.pgen.1005909.

PMID: 26942411

[\[Abstract\]](#)

CCT complex restricts neuropathogenic protein aggregation via autophagy.

Pavel M, Imarisio S, Menzies FM, Jimenez-Sanchez M, Siddiqi FH, Wu X, Renna M, O'Kane CJ, Crowther DC, Rubinsztein DC.

Nat Commun. 2016 Dec 8;7:13821. doi: 10.1038/ncomms13821.

PMID: 2792911

[\[Abstract\]](#)

Drosophila Chitinase 2 is expressed in chitin producing organs for cuticle formation.

Pesch YY, Riedel D, Behr M.

Arthropod Struct Dev. 2016 Nov 18. pii: S1467-8039(16)30172-4. doi: 10.1016/j.asd.2016.11.002. [Epub ahead of print]

PMID: 27832982

[\[Abstract\]](#)

Pentagone internalises glypicans to fine-tune multiple signalling pathways.

Norman M, Vuilleumier R, Springhorn A, Gawlik J, Pyrowolakis G.

Elife. 2016 Jun 8;5. pii: e13301. doi: 10.7554/eLife.13301.

PMID: 27269283

[\[Abstract\]](#)

Integration of Orthogonal Signaling by the Notch and Dpp Pathways in Drosophila.

Stroebele E, Erives A.

Genetics. 2016 May;203(1):219-40. doi: 10.1534/genetics.116.186791.

PMID: 26975664

[\[Abstract\]](#)

Mactosylceramide Prevents Glial Cell Overgrowth by Inhibiting Insulin and Fibroblast Growth Factor Receptor Signaling.

Gerdøe-Kristensen S, Lund VK, Wandall HH, Kjaerulff O.

J Cell Physiol. 2016 Dec 26. doi: 10.1002/jcp.25762. [Epub ahead of print]

PMID: 28019653

[\[Abstract\]](#)

PINK1 and Parkin are genetic modifiers for FUS-induced neurodegeneration.

Chen Y, Deng J, Wang P, Yang M, Chen X, Zhu L, Liu J, Lu B, Shen Y, Fushimi K, Xu Q, Wu JY.

Hum Mol Genet. 2016 Oct 29. pii: ddw310. doi: 10.1093/hmg/ddw310. [Epub ahead of print]

PMID: 27794540

[\[Abstract\]](#)

A Polymorphism in the Processing Body Component Ge-1 Controls Resistance to a Naturally Occurring Rhabdovirus in Drosophila.

Cao C, Magwire MM, Bayer F, Jiggins FM.

PLoS Pathog. 2016 Jan 22;12(1):e1005387. doi: 10.1371/journal.ppat.1005387. Erratum in: PLoS Pathog.

2016 Jun;12(6):e1005730.

PMID: 26799957

[\[Abstract\]](#)

Autophagy-independent function of Atg1 for apoptosis-induced compensatory proliferation.

Li M, Lindblad JL, Perez E, Bergmann A, Fan Y.

BMC Biol. 2016 Aug 19;14:70. doi: 10.1186/s12915-016-0293-y.

PMID: 27542914

[\[Abstract\]](#)

Ack promotes tissue growth via phosphorylation and suppression of the Hippo pathway component Expanded.

Hu L, Xu J, Yin MX, Zhang L, Lu Y, Wu W, Xue Z, Ho MS, Gao G, Zhao Y, Zhang L.

Cell Discov. 2016 Feb 23;2:15047. doi: 10.1038/celldisc.2015.47.

PMID: 27462444

[\[Abstract\]](#)

Defining the essential function of FBP/KSRP proteins: Drosophila Psi interacts with the mediator complex to modulate MYC transcription and tissue growth.

Guo L, Zaysteva O, Nie Z, Mitchell NC, Amanda Lee JE, Ware T, Parsons L, Luwor R, Poortinga G, Hannan RD, Levens DL, Quinn LM.

Nucleic Acids Res. 2016 Sep 19;44(16):7646-58. doi: 10.1093/nar/gkw461.

PMID: 27207882

[\[Abstract\]](#)

Scribble Scaffolds a Signalosome for Active Forgetting.

Cervantes-Sandoval I, Chakraborty M, MacMullen C, Davis RL.

Neuron. 2016 Jun 15;90(6):1230-42. doi: 10.1016/j.neuron.2016.05.010.

PMID: 27263975

[\[Abstract\]](#)

Birth order dependent growth cone segregation determines synaptic layer identity in the Drosophila visual system.

Kulkarni A, Ertekin D, Lee CH, Hummel T.

Elife. 2016 Mar 17;5:e13715. doi: 10.7554/eLife.13715.

PMID: 26987017

[\[Abstract\]](#)

dBRWD3 Regulates Tissue Overgrowth and Ectopic Gene Expression Caused by Polycomb Group Mutations.

Shih HT, Chen WY, Liu KY, Shih ZS, Chen YJ, Hsieh PC, Kuo KL, Huang KH, Hsu PH, Liu YW, Chan SP, Lee HH, Tsai YC, Wu JT.

PLoS Genet. 2016 Sep 2;12(9):e1006262. doi: 10.1371/journal.pgen.1006262.

PMID: 27588417

[\[Abstract\]](#)

A model of muscle atrophy based on live microscopy of muscle remodelling in Drosophila metamorphosis.

Kuleesha Y, Puaah WC, Wasser M.

R Soc Open Sci. 2016 Feb 10;3(2):150517. doi: 10.1098/rsos.150517.

PMID: 26998322

[\[Abstract\]](#)

ADAR-mediated RNA editing suppresses sleep by acting as a brake on glutamatergic synaptic plasticity.

Robinson JE, Paluch J, Dickman DK, Joiner WJ.

Nat Commun. 2016 Jan 27;7:10512. doi: 10.1038/ncomms10512.

PMID: 26813350

[\[Abstract\]](#)

A Krebs Cycle Component Limits Caspase Activation Rate through Mitochondrial Surface Restriction of CRL Activation.

Aram L, Braun T, Braverman C, Kaplan Y, Ravid L, Levin-Zaidman S, Arama E.

Dev Cell. 2016 Apr 4;37(1):15-33. doi: 10.1016/j.devcel.2016.02.025.

PMID: 27052834

[\[Abstract\]](#)

Inverse regulation of two classic Hippo pathway target genes in Drosophila by the dimerization hub protein Ctp.

Barron DA, Moberg K.

Sci Rep. 2016 Mar 14;6:22726. doi: 10.1038/srep22726.

PMID: 26972460

[\[Abstract\]](#)

Drosophila Mitf regulates the V-ATPase and the lysosomal-autophagic pathway.

Bouché V, Espinosa AP, Leone L, Sardiello M, Ballabio A, Botas J.

Autophagy. 2016;12(3):484-98. doi: 10.1080/15548627.2015.1134081.

PMID: 26761346

[\[Abstract\]](#)

Genetic dissection of intraspecific variation in a male-specific sexual trait in Drosophila melanogaster.

Cloud-Richardson KM, Smith BR, Macdonald SJ.

Heredity (Edinb). 2016 Dec;117(6):417-426. doi: 10.1038/hdy.2016.63.

PMID: 27530909

[\[Abstract\]](#)

Neurexin regulates nighttime sleep by modulating synaptic transmission.

Tong H, Li Q, Zhang ZC, Li Y, Han J.

Sci Rep. 2016 Dec 1;6:38246. doi: 10.1038/srep38246.

PMID: 27905548

[\[Abstract\]](#)

Targeting of Fzr/Cdh1 for timely activation of the APC/C at the centrosome during mitotic exit.

Meghini F, Martins T, Tait X, Fujimitsu K, Yamano H, Glover DM, Kimata Y.

Nat Commun. 2016 Aug 25;7:12607. doi: 10.1038/ncomms12607.

PMID: 27558644

[\[Abstract\]](#)

TRIM28 regulates the nuclear accumulation and toxicity of both alpha-synuclein and tau.

Rousseaux MW, de Haro M, Lasagna-Reeves CA, De Maio A, Park J, Jafar-Nejad P, Al-Ramahi I, Sharma A, See L, Lu N, Vilanova-Velez L, Klisch TJ, Westbrook TF, Troncoso JC, Botas J, Zoghbi HY.

Elife. 2016 Oct 25;5. pii: e19809. doi: 10.7554/eLife.19809.

PMID: 27779468

[\[Abstract\]](#)

Coordination of autophagosome-lysosome fusion and transport by a Klp98A-Rab14 complex in Drosophila.

Mauvezin C, Neisch AL, Ayala CI, Kim J, Beltrame A, Braden CR, Gardner MK, Hays TS, Neufeld TP.

J Cell Sci. 2016 Mar 1;129(5):971-82. doi: 10.1242/jcs.175224.

PMID: 26763909

[\[Abstract\]](#)

Characterization of candidate intermediates in the Black Box of the ecdysone biosynthetic pathway in Drosophila melanogaster: Evaluation of molting activities on ecdysteroid-defective larvae.

Saito J, Kimura R, Kaieda Y, Nishida R, Ono H.

J Insect Physiol. 2016 Oct - Nov;93-94:94-104. doi: 10.1016/j.jinsphys.2016.09.012.

PMID: 27662806

[\[Abstract\]](#)

MiniCORVET is a Vps8-containing early endosomal tether in Drosophila.

Lőrincz P, Lakatos Z, Varga Á, Maruzs T, Simon-Vecsei Z, Darula Z, Benkő P, Csordás G, Lippai M, Andó I, Hegedűs K, Medzihradzky KF, Takáts S, Juhász G.

Elife. 2016 Jun 2;5. pii: e14226. doi: 10.7554/eLife.14226.

PMID: 27253064

[\[Abstract\]](#)

Exon junction complex proteins bind nascent transcripts independently of pre-mRNA splicing in Drosophila melanogaster.

Choudhury SR, Singh AK, McLeod T, Blanchette M, Jang B, Badenhorst P, Kanhere A, Brogna S.

Elife. 2016 Nov 23;5. pii: e19881. doi: 10.7554/eLife.19881.

PMID: 27879206

[\[Abstract\]](#)

Thermal stress depletes energy reserves in Drosophila.

Klepsatel P, Gáliková M, Xu Y, Kühnlein RP.

Sci Rep. 2016 Sep 19;6:33667. doi: 10.1038/srep33667.

PMID: 27641694

[\[Abstract\]](#)

Presynaptic DLG regulates synaptic function through the localization of voltage-activated Ca(2+) Channels.

Astorga C, Jorquera RA, Ramírez M, Kohler A, López E, Delgado R, Córdova A, Olgúin P, Sierralta J.

Sci Rep. 2016 Aug 30;6:32132. doi: 10.1038/srep32132.

PMID: 27573697

[\[Abstract\]](#)

Genetic Screen in Drosophila Larvae Links ird1 Function to Toll Signaling in the Fat Body and Hemocyte Motility.

Schmid MR, Anderl I, Vo HT, Valanne S, Yang H, Kronhamn J, Rämets M, Rusten TE, Hultmark D.

PLoS One. 2016 Jul 28;11(7):e0159473. doi: 10.1371/journal.pone.0159473.

PMID: 27467079

[\[Abstract\]](#)

Maintenance of Tissue Pluripotency by Epigenetic Factors Acting at Multiple Levels.

Sadasivam DA, Huang DH.

PLoS Genet. 2016 Feb 29;12(2):e1005897. doi: 10.1371/journal.pgen.1005897.

PMID: 26926299

[\[Abstract\]](#)

Periodic patterning of the Drosophila eye is stabilized by the diffusible activator Scabrous.

Gavish A, Shwartz A, Weizman A, Schejter E, Shilo BZ, Barkai N.

Nat Commun. 2016 Feb 15;7:10461. doi: 10.1038/ncomms10461.

PMID: 26876750

[\[Abstract\]](#)

Polo Kinase Phosphorylates Miro to Control ER-Mitochondria Contact Sites and Mitochondrial Ca(2+) Homeostasis in Neural Stem Cell Development.

Lee S, Lee KS, Huh S, Liu S, Lee DY, Hong SH, Yu K, Lu B.

Dev Cell. 2016 Apr 18;37(2):174-89. doi: 10.1016/j.devcel.2016.03.023.

PMID: 27093086

[\[Abstract\]](#)

A new mode of mitochondrial transport and polarized sorting regulated by Dynein, Milton and Miro.

Melkov A, Baskar R, Alcalay Y, Abdu U.

Development. 2016 Nov 15;143(22):4203-4213.

PMID: 27707795

[\[Abstract\]](#)

Starvation-Induced Depotentiation of Bitter Taste in Drosophila.

LeDue EE, Mann K, Koch E, Chu B, Dakin R, Gordon MD.

Curr Biol. 2016 Nov 7;26(21):2854-2861. doi: 10.1016/j.cub.2016.08.028.

PMID: 27720624

[\[Abstract\]](#)

Cell death regulates muscle fiber number.

Sarkissian T, Arya R, Gyonjyan S, Taylor B, White K.

Dev Biol. 2016 Jul 1;415(1):87-97. doi: 10.1016/j.ydbio.2016.04.018.

PMID: 27131625

[\[Abstract\]](#)

The TRP Channels Pkd2, NompC, and Trpm Act in Cold-Sensing Neurons to Mediate Unique Aversive Behaviors to Noxious Cold in Drosophila.

Turner HN, Armengol K, Patel AA, Himmel NJ, Sullivan L, Iyer SC, Bhattacharya S, Iyer EP, Landry C, Galko MJ, Cox DN.

Curr Biol. 2016 Dec 5;26(23):3116-3128. doi: 10.1016/j.cub.2016.09.038.

PMID: 27818173

[\[Abstract\]](#)

Selective endosomal microautophagy is starvation-inducible in Drosophila.

Mukherjee A, Patel B, Koga H, Cuervo AM, Jenny A.

Autophagy. 2016 Nov;12(11):1984-1999.

PMID: 27487474

[\[Abstract\]](#)

The regulatory isoform rPGRP-LC induces immune resolution via endosomal degradation of receptors.

Neyen C, Runchel C, Schüpfer F, Meier P, Lemaitre B.

Nat Immunol. 2016 Oct;17(10):1150-8. doi: 10.1038/ni.3536.

PMID: 27548432

[\[Abstract\]](#)

PIWI Slicing and EXD1 Drive Biogenesis of Nuclear piRNAs from Cytosolic Targets of the Mouse piRNA Pathway.

Yang Z, Chen KM, Pandey RR, Homolka D, Reuter M, Janeiro BK, Sachidanandam R, Fauvarque MO, McCarthy AA, Pillai RS.

Mol Cell. 2016 Jan 7;61(1):138-52. doi: 10.1016/j.molcel.2015.11.009.

PMID: 26669262

[\[Abstract\]](#)

Drosophila wing imaginal discs respond to mechanical injury via slow InsP3R-mediated intercellular calcium waves.

Restrepo S, Basler K.

Nat Commun. 2016 Aug 9;7:12450. doi: 10.1038/ncomms12450.

PMID: 27503836

[\[Abstract\]](#)

Rho1-Wnd signaling regulates loss-of-cell polarity-induced cell invasion in Drosophila.

Ma X, Chen Y, Zhang S, Xu W, Shao Y, Yang Y, Li W, Li M, Xue L.

Oncogene. 2016 Feb 18;35(7):846-55. doi: 10.1038/onc.2015.137.

PMID: 25961917

[\[Abstract\]](#)

The silent information regulator 1 (Sirt1) is a positive regulator of the Notch pathway in Drosophila.

Horvath M, Mihajlovic Z, Slaninova V, Perez-Gomez R, Moshkin Y, Krejci A.

Biochem J. 2016 Nov 15;473(22):4129-4143.

PMID: 27623778

[\[Abstract\]](#)

Drosophila insulin-like peptide 1 (DILP1) is transiently expressed during non-feeding stages and reproductive dormancy.

Liu Y, Liao S, Veenstra JA, Nässel DR.

Sci Rep. 2016 May 20;6:26620. doi: 10.1038/srep26620.

PMID: 27197757

[\[Abstract\]](#)

Hemotin, a Regulator of Phagocytosis Encoded by a Small ORF and Conserved across Metazoans.

Pueyo JI, Magny EG, Sampson CJ, Amin U, Evans IR, Bishop SA, Couso JP.

PLoS Biol. 2016 Mar 25;14(3):e1002395. doi: 10.1371/journal.pbio.1002395.

PMID: 27015288

[\[Abstract\]](#)

Sucralose Promotes Food Intake through NPY and a Neuronal Fasting Response.

Wang QP, Lin YQ, Zhang L, Wilson YA, Oyston LJ, Cotterell J, Qi Y, Khuong TM, Bakhshi N, Planchenault Y, Browman DT, Lau MT, Cole TA, Wong AC, Simpson SJ, Cole AR, Penninger JM, Herzog H, Neely GG.

Cell Metab. 2016 Jul 12;24(1):75-90. doi: 10.1016/j.cmet.2016.06.010.

PMID: 27411010

[\[Abstract\]](#)

Nuclear Drosophila CerS Schlank regulates lipid homeostasis via the homeodomain, independent of the lag1p motif.

Voelzmann A, Wulf AL, Eckardt F, Thielisch M, Brondolin M, Pesch YY, Sociale M, Bauer R, Hoch M.

FEBS Lett. 2016 Apr;590(7):971-81. doi: 10.1002/1873-3468.12125.

PMID: 26950647

[\[Abstract\]](#)

The Drosophila Receptor Protein Tyrosine Phosphatase LAR Is Required for Development of Circadian Pacemaker Neuron Processes That Support Rhythmic Activity in Constant Darkness But Not during Light/Dark Cycles.

Agrawal P, Hardin PE.

J Neurosci. 2016 Mar 30;36(13):3860-70. doi: 10.1523/JNEUROSCI.4523-15.2016.

PMID: 27030770

[\[Abstract\]](#)

Magnetoreception Regulates Male Courtship Activity in Drosophila.

Wu CL, Fu TF, Chiang MH, Chang YW, Her JL, Wu T.

PLoS One. 2016 May 19;11(5):e0155942. doi: 10.1371/journal.pone.0155942.

PMID: 27195955

[\[Abstract\]](#)

Stuxnet Facilitates the Degradation of Polycomb Protein during Development.

Du J, Zhang J, He T, Li Y, Su Y, Tie F, Liu M, Harte PJ, Zhu AJ.

Dev Cell. 2016 Jun 20;37(6):507-19. doi: 10.1016/j.devcel.2016.05.013.

PMID: 27326929

[\[Abstract\]](#)

Molecular mechanism of central nervous system repair by the Drosophila NG2 homologue kon-tiki.

Losada-Perez M, Harrison N, Hidalgo A.

J Cell Biol. 2016 Aug 29;214(5):587-601. doi: 10.1083/jcb.201603054.

PMID: 27551055

[\[Abstract\]](#)

SPARC-Dependent Cardiomyopathy in Drosophila.

Hartley PS, Motamedchaboki K, Bodmer R, Ocorr K.

Circ Cardiovasc Genet. 2016 Apr;9(2):119-29. doi: 10.1161/CIRCGENETICS.115.001254.

PMID: 26839388

[\[Abstract\]](#)

Genetic and mechanistic diversity of piRNA 3'-end formation.

Hayashi R, Schnabl J, Handler D, Mohn F, Ameres SL, Brennecke J.

Nature. 2016 Nov 24;539(7630):588-592. doi: 10.1038/nature20162.

PMID: 27851737

[\[Abstract\]](#)

Remote Control of Intestinal Stem Cell Activity by Haemocytes in Drosophila.

Chakrabarti S, Dudzic JP, Li X, Collas EJ, Boquete JP, Lemaitre B.

PLoS Genet. 2016 May 27;12(5):e1006089. doi: 10.1371/journal.pgen.1006089.

PMID: 27231872

[\[Abstract\]](#)

The obesity-related Adipokinetic hormone controls feeding and expression of neuropeptide regulators of *Drosophila* metabolism.

Gáliková M, Klepsatel P, Xu Y and Kühnlein RP.

Eur. J. Lipid Sci. Technol. 2016 June 21. doi:10.1002/ejlt.201600138

[\[Abstract\]](#)

The *Drosophila* formin Fhos is a primary mediator of sarcomeric thin-filament array assembly.

Shwartz A, Dhanyasi N, Schejter ED, Shilo BZ.

Elife. 2016 Oct 12;5. pii: e16540. doi: 10.7554/eLife.16540.

PMID: 27731794

[\[Abstract\]](#)

Multimodal stimulus coding by a gustatory sensory neuron in *Drosophila* larvae.

van Giesen L, Hernandez-Nunez L, Delasoie-Baranek S, Colombo M, Renaud P, Bruggmann R, Benton R, Samuel AD, Sprecher SG.

Nat Commun. 2016 Feb 11;7:10687. doi: 10.1038/ncomms10687. Erratum in: Nat Commun. 2016;7:11028.

PMID: 26864722

[\[Abstract\]](#)

The Gene Expression Program for the Formation of Wing Cuticle in *Drosophila*.

Sobala LF, Adler PN.

PLoS Genet. 2016 May 27;12(5):e1006100. doi: 10.1371/journal.pgen.1006100.

PMID: 27232182

[\[Abstract\]](#)

Ionotropic Chemosensory Receptors Mediate the Taste and Smell of Polyamines.

Hussain A, Zhang M, Üçpunar HK, Svensson T, Quillery E, Gompel N, Ignell R, Grunwald Kadow IC.

PLoS Biol. 2016 May 4;14(5):e1002454. doi: 10.1371/journal.pbio.1002454. Erratum in: PLoS Biol. 2016 Jun;14(6):e1002505.

PMID: 27145030

[\[Abstract\]](#)

***Drosophila* Spidey/Kar Regulates Oenocyte Growth via PI3-Kinase Signaling.**

Cinnamon E, Makki R, Sawala A, Wickenberg LP, Blomquist GJ, Tittiger C, Paroush Z, Gould AP.

PLoS Genet. 2016 Aug 8;12(8):e1006154. doi: 10.1371/journal.pgen.1006154.

PMID: 27500738

[\[Abstract\]](#)

Dynamin-mediated endocytosis is required for tube closure, cell intercalation, and biased apical expansion during epithelial tubulogenesis in the *Drosophila* ovary.

Peters NC, Berg CA.

Dev Biol. 2016 Jan 1;409(1):39-54. doi: 10.1016/j.ydbio.2015.10.034.

PMID: 26542010

[\[Abstract\]](#)

Transposon Dysregulation Modulates dWnt4 Signaling to Control Germline Stem Cell Differentiation in *Drosophila*.

Upadhyay M, Martino Cortez Y, Wong-Deyrup S, Tavares L, Schowalter S, Flora P, Hill C, Nasrallah MA, Chittur S, Rangan P.

PLoS Genet. 2016 Mar 28;12(3):e1005918. doi: 10.1371/journal.pgen.1005918.

PMID: 27019121

[\[Abstract\]](#)

The Hippo Pathway Targets Rae1 to Regulate Mitosis and Organ Size and to Feed Back to Regulate Upstream Components Merlin, Hippo, and Warts.

Jahanshahi M, Hsiao K, Jenny A, Pflieger CM.

PLoS Genet. 2016 Aug 5;12(8):e1006198. doi: 10.1371/journal.pgen.1006198.

PMID: 27494403

[\[Abstract\]](#)

Syndapin promotes pseudocleavage furrow formation by actin organization in the syncytial *Drosophila* embryo.

Sherlekar A, Rikhy R.

Mol Biol Cell. 2016 Jul 1;27(13):2064-79. doi: 10.1091/mbc.E15-09-0656.

PMID: 27146115

[\[Abstract\]](#)

USP2-45 Is a Circadian Clock Output Effector Regulating Calcium Absorption at the Post-Translational Level.

Pouly D, Chenaux S, Martín V, Babis M, Koch R, Nagoshi E, Katanaev VL, Gachon F, Staub O.

PLoS One. 2016 Jan 12;11(1):e0145155. doi: 10.1371/journal.pone.0145155.

PMID: 26756164

[\[Abstract\]](#)

The Occurrence of the Holometabolous Pupal Stage Requires the Interaction between E93, Krüppel-Homolog 1 and Broad-Complex.

Ureña E, Chafino S, Manjón C, Franch-Marro X, Martín D.

PLoS Genet. 2016 May 2;12(5):e1006020. doi: 10.1371/journal.pgen.1006020.

PMID: 27135810

[\[Abstract\]](#)

Spalt-mediated dve repression is a critical regulatory motif and coordinates with Iroquois complex in Drosophila vein formation.

Sugimori S, Hasegawa A, Nakagoshi H.

Mech Dev. 2016 Aug;141:25-31. doi: 10.1016/j.mod.2016.06.004.

PMID: 27349585

[\[Abstract\]](#)

Evolved Repression Overcomes Enhancer Robustness.

Preger-Ben Noon E, Davis FP, Stern DL.

Dev Cell. 2016 Dec 5;39(5):572-584. doi: 10.1016/j.devcel.2016.10.010.

PMID: 27840106

[\[Abstract\]](#)

Mechanosensory neurons control sweet sensing in Drosophila.

Jeong YT, Oh SM, Shim J, Seo JT, Kwon JY, Moon SJ.

Nat Commun. 2016 Sep 19;7:12872. doi: 10.1038/ncomms12872.

PMID: 27641708

[\[Abstract\]](#)

Metal Homeostasis Regulators Suppress FRDA Phenotypes in a Drosophila Model of the Disease.

Soriano S, Calap-Quintana P, Llorens JV, Al-Ramahi I, Gutiérrez L, Martínez-Sebastián MJ, Botas J, Moltó MD.

PLoS One. 2016 Jul 19;11(7):e0159209. doi: 10.1371/journal.pone.0159209.

PMID: 27433942

[\[Abstract\]](#)

Minibrain drives the Dacapo-dependent cell cycle exit of neurons in the Drosophila brain by promoting asense and prospero expression.

Shaikh MN, Gutierrez-Aviño F, Colonques J, Ceron J, Hämmerle B, Tejedor FJ.

Development. 2016 Sep 1;143(17):3195-205. doi: 10.1242/dev.134338.

PMID: 27510975

[\[Abstract\]](#)

Seizure control through genetic and pharmacological manipulation of Pumilio: a key component of neuronal homeostasis.

Lin WH, Giachello CN, Baines RA.

Dis Model Mech. 2016 Dec 14. pii: dmm.027045. doi: 10.1242/dmm.027045. [Epub ahead of print]

PMID: 28067623

[\[Abstract\]](#)

Antagonistic roles of Drosophila Tctp and Brahma in chromatin remodelling and stabilizing repeated sequences.

Hong ST, Choi KW.

Nat Commun. 2016 Sep 30;7:12988. doi: 10.1038/ncomms12988.

PMID: 27687497

[\[Abstract\]](#)

A feedback mechanism converts individual cell features into a supracellular ECM structure in *Drosophila* trachea.

Öztürk-Çolak A, Moussian B, Araújo SJ, Casanova J.

Elife. 2016 Feb 2;5. pii: e09373. doi: 10.7554/eLife.09373.

PMID: 26836303

[\[Abstract\]](#)

Genetic Convergence in the Evolution of Male-Specific Color Patterns in *Drosophila*.

Signor SA, Liu Y, Rebeiz M, Kopp A.

Curr Biol. 2016 Sep 26;26(18):2423-33. doi: 10.1016/j.cub.2016.07.034.

PMID: 27546578

[\[Abstract\]](#)

Using FlyBase, a Database of *Drosophila* Genes and Genomes.

Marygold SJ, Crosby MA, Goodman JL; FlyBase Consortium..

Methods Mol Biol. 2016;1478:1-31.

PMID: 27730573

[\[Abstract\]](#)

Genes implicated in stem cell identity and temporal programme are directly targeted by Notch in neuroblast tumours.

Zacharioudaki E, Housden BE, Garinis G, Stojnic R, Delidakis C, Bray SJ.

Development. 2016 Jan 15;143(2):219-31. doi: 10.1242/dev.126326.

PMID: 26657768

[\[Abstract\]](#)

A positive role for polycomb in transcriptional regulation via H4K20me1.

Lv X, Han Z, Chen H, Yang B, Yang X, Xia Y, Pan C, Fu L, Zhang S, Han H, Wu M, Zhou Z, Zhang L, Li L, Wei G, Zhao Y.

Cell Res. 2016 May;26(5):529-42. doi: 10.1038/cr.2016.33.

PMID: 27002220

[\[Abstract\]](#)

Functional and Genetic Analysis of Spectraplakins in *Drosophila*.

Hahn I, Ronshaugen M, Sánchez-Soriano N, Prokop A.

Methods Enzymol. 2016;569:373-405. doi: 10.1016/bs.mie.2015.06.022.

PMID: 26778568

[\[Abstract\]](#)

Two Forkhead transcription factors regulate cardiac progenitor specification by controlling the expression of receptors of the fibroblast growth factor and Wnt signaling pathways.

Ahmad SM, Bhattacharyya P, Jeffries N, Gisselbrecht SS, Michelson AM.
Development. 2016 Jan 15;143(2):306-17. doi: 10.1242/dev.122952.
PMID: 26657774

[\[Abstract\]](#)

Function of Lipid Storage Droplet 1 (Lsd1) in Wing Development of *Drosophila melanogaster*.

Men TT, Binh TD, Yamaguchi M, Huy NT, Kamei K.
Int J Mol Sci. 2016 Apr 29;17(5). pii: E648. doi: 10.3390/ijms17050648.
PMID: 27136547

[\[Abstract\]](#)

In vivo genetic dissection of tumor growth and the Warburg effect.

Wang CW, Purkayastha A, Jones KT, Thaker SK, Banerjee U.
Elife. 2016 Sep 1;5. pii: e18126. doi: 10.7554/eLife.18126.
PMID: 27585295

[\[Abstract\]](#)

R7 Photoreceptor Specification in the Developing *Drosophila* Eye: The Role of the Transcription Factor Deadpan.

Mavromatakis YE, Tomlinson A.
PLoS Genet. 2016 Jul 18;12(7):e1006159. doi: 10.1371/journal.pgen.1006159.
PMID: 27427987

[\[Abstract\]](#)

Export of piRNA precursors by EJC triggers assembly of cytoplasmic Yb-body in *Drosophila*.

Dennis C, Brasslet E, Sarkar A, Vaury C.
Nat Commun. 2016 Dec 8;7:13739. doi: 10.1038/ncomms13739.
PMID: 27929060

[\[Abstract\]](#)

RNA-binding profiles of *Drosophila* CPEB proteins Orb and Orb2.

Stepien BK, Oppitz C, Gerlach D, Dag U, Novatchkova M, Krüttner S, Stark A, Keleman K.
Proc Natl Acad Sci U S A. 2016 Oct 24. pii: 201603715. [Epub ahead of print]
PMID: 27791065

[\[Abstract\]](#)

JAK/STAT signalling mediates cell survival in response to tissue stress.

La Fortezza M, Schenk M, Cosolo A, Kolybaba A, Grass I, Classen AK.

Development. 2016 Aug 15;143(16):2907-19. doi: 10.1242/dev.132340.

PMID: 27385008

[\[Abstract\]](#)

C9orf72 Dipeptide Repeats Impair the Assembly, Dynamics, and Function of Membrane-Less Organelles.

Lee KH, Zhang P, Kim HJ, Mitrea DM, Sarkar M, Freibaum BD, Cika J, Coughlin M, Messing J, Molliex A, Maxwell BA, Kim NC, Temirov J, Moore J, Kolaitis RM, Shaw TI, Bai B, Peng J, Kriwacki RW, Taylor JP.

Cell. 2016 Oct 20;167(3):774-788.e17. doi: 10.1016/j.cell.2016.10.002.

PMID: 27768896

[\[Abstract\]](#)

Circadian rhythms in neuronal activity propagate through output circuits.

Cavey M, Collins B, Bertet C, Blau J.

Nat Neurosci. 2016 Apr;19(4):587-95. doi: 10.1038/nn.4263.

PMID: 26928065

[\[Abstract\]](#)

The Ccz1-Mon1-Rab7 module and Rab5 control distinct steps of autophagy.

Hegedűs K, Takáts S, Boda A, Jipa A, Nagy P, Varga K, Kovács AL, Juhász G.

Mol Biol Cell. 2016 Oct 15;27(20):3132-3142.

PMID: 27559127

[\[Abstract\]](#)

Overexpression of jumu induces melanotic nodules by activating Toll signaling in Drosophila.

Zhang G, Hao Y, Jin LH.

Insect Biochem Mol Biol. 2016 Oct;77:31-8. doi: 10.1016/j.ibmb.2016.08.002.

PMID: 27507244

[\[Abstract\]](#)

Transdifferentiation and Proliferation in Two Distinct Hemocyte Lineages in Drosophila melanogaster Larvae after Wasp Infection.

Anderl I, Vesala L, Ihalainen TO, Vanha-Aho LM, Andó I, Rämetsä M, Hultmark D.

PLoS Pathog. 2016 Jul 14;12(7):e1005746. doi: 10.1371/journal.ppat.1005746.

PMID: 27414410

[\[Abstract\]](#)