

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.

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