

VDRC publications 2018 (total 336)

An RNAi Screen Identifies New Genes Required for Normal Morphogenesis of Larval Chordotonal Organs.

Hassan A, Timerman Y, Hamdan R, Sela N, Avetisyan A, Halachmi N, Salzberg A. G3 (Bethesda). 2018 May 31;8(6):1871-1884. doi: 10.1534/g3.118.200218. PMID: 29678948

[\[Abstract\]](#)

Deficiency of parkin and PINK1 impairs age-dependent mitophagy in Drosophila.

Cornelissen T, Vilain S, Vints K, Gounko N, Verstreken P, Vandenberghe W. Elife. 2018 May 29;7. pii: e35878. doi: 10.7554/eLife.35878. PMID: 29809156

[\[Abstract\]](#)

Color Processing in the Early Visual System of Drosophila.

Schnaitmann C, Haikala V, Abraham E, Oberhauser V, Thestrup T, Griesbeck O, Reiff DF. Cell. 2018 Jan 11;172(1-2):318-330.e18. doi: 10.1016/j.cell.2017.12.018. PMID: 29328919

[\[Abstract\]](#)

Dendritic Integration of Sensory Evidence in Perceptual Decision-Making.

Groschner LN, Chan Wah Hak L, Bogacz R, DasGupta S, Miesenböck G. Cell. 2018 May 3;173(4):894-905.e13. doi: 10.1016/j.cell.2018.03.075. Epub 2018 Apr 26. PMID: 29706545

[\[Abstract\]](#)

ER Lipid Defects in Neuropeptidergic Neurons Impair Sleep Patterns in Parkinson's Disease.

Valadas JS, Esposito G, Vandekerkhove D, Miskiewicz K, Deaulmerie L, Raitano S, Seibler P, Klein C, Verstreken P. Neuron. 2018 Jun 27;98(6):1155-1169.e6. doi: 10.1016/j.neuron.2018.05.022. Epub 2018 Jun 7. PMID: 29887339

[\[Abstract\]](#)

RNAi validation of detoxification genes involved in ivermectin tolerance in Drosophila melanogaster.

Kim JH, Moreau JA, Ali Y, Razo P, Hong KB, Yoon KS, Clark JM. Insect Mol Biol. 2018 Jun 11. doi: 10.1111/imb.12512. [Epub ahead of print] PMID: 29888824

[\[Abstract\]](#)

Genetic dissection of the phosphoinositide cycle in Drosophila photoreceptors.

Liu CH, Bollepalli MK, Long SV, Asteriti S, Tan J, Brill JA, Hardie RC.

J Cell Sci. 2018 Apr 19;131(8). pii: jcs214478. doi: 10.1242/jcs.214478.

PMID: 29567856

[\[Abstract\]](#)

RNA Interference (RNAi) Screening in Drosophila.

Heigwer F, Port F, Boutros M.

Genetics. 2018 Mar;208(3):853-874. doi: 10.1534/genetics.117.300077.

PMID: 29487145

[\[Abstract\]](#)

Neuron-specific knockdown of Drosophila PDHB induces reduction of lifespan, deficient locomotive ability, abnormal morphology of motor neuron terminals and photoreceptor axon targeting.

Dung VM, Suong DNA, Okamaoto Y, Hiramatsu Y, Thao DTP, Yoshida H, Takashima H, Yamaguchi M.

Exp Cell Res. 2018 May 15;366(2):92-102. doi: 10.1016/j.yexcr.2018.02.035. Epub 2018 Mar 6.

PMID: 29501567

[\[Abstract\]](#)

A high throughput, functional screen of human Body Mass Index GWAS loci using tissue-specific RNAi Drosophila melanogaster crosses.

Baranski TJ, Kraja AT, Fink JL, Feitosa M, Lenzini PA, Borecki IB, Liu CT, Cupples LA, North KE, Province MA.

PLoS Genet. 2018 Apr 2;14(4):e1007222. doi: 10.1371/journal.pgen.1007222. eCollection 2018 Apr.

PMID: 29608557

[\[Abstract\]](#)

Drosophila Ubiquitin C-Terminal Hydrolase Knockdown Model of Parkinson's Disease.

Tran HH, Dang SNA, Nguyen TT, Huynh AM, Dao LM, Kamei K, Yamaguchi M, Dang TTP.

Sci Rep. 2018 Mar 13;8(1):4468. doi: 10.1038/s41598-018-22804-w.

PMID: 2953539

[\[Abstract\]](#)

Identification and interaction of multiple genes resulting in DDT resistance in the 91-R strain of Drosophila melanogaster by RNAi approaches.

Kim JH, Moreau JA, Zina JM, Mazgaen L, Yoon KS, Pittendrigh BR, Marshall Clark J.

<https://doi.org/10.1016/j.pestbp.2018.03.003>

[\[Abstract\]](#)

Beadex, a Drosophila LIM domain only protein, function in follicle cells is essential for egg development and fertility.

Kairamkonda S, Nongthomba U.

Exp Cell Res. 2018 Jun 1;367(1):97-103. doi: 10.1016/j.yexcr.2018.03.029. Epub 2018 Mar 23.

PMID: 29580687

[\[Abstract\]](#)

The SR protein B52/SRp55 regulates splicing of the period thermosensitive intron and mid-day siesta in *Drosophila*.

Zhang Z, Cao W, Edery I.

Sci Rep. 2018 Jan 30;8(1):1872. doi: 10.1038/s41598-017-18167-3.

PMID: 29382842

[\[Abstract\]](#)

Efficient Expression of Genes in the *Drosophila* Germline Using a UAS Promoter Free of Interference by Hsp70 piRNAs.

DeLuca SZ, Spradling AC.

Genetics. 2018 Jun;209(2):381-387. doi: 10.1534/genetics.118.300874. Epub 2018 Apr 18.

PMID: 29669732

[\[Abstract\]](#)

Identification of Proteins Required for Precise Positioning of Apc2 in Dendrites.

Weiner AT, Seebold DY, Michael NL, Guignet M, Feng C, Follick B, Yusko BA, Wasilko NP, Torres-Gutierrez P, Rolls MM.

G3 (Bethesda). 2018 May 4;8(5):1841-1853. doi: 10.1534/g3.118.200205.

PMID: 29602811

[\[Abstract\]](#)

Inflammation-Modulated Metabolic Reprogramming Is Required for DUOX-Dependent Gut Immunity in *Drosophila*.

Lee KA, Cho KC, Kim B, Jang IH, Nam K, Kwon YE, Kim M, Hyeon DY, Hwang D, Seol JH, Lee WJ.

Cell Host Microbe. 2018 Mar 14;23(3):338-352.e5. doi: 10.1016/j.chom.2018.01.011. Epub 2018 Mar 1.

PMID: 29503179

[\[Abstract\]](#)

Deficiency in DNA damage response of enterocytes accelerates intestinal stem cell aging in *Drosophila*.

Park JS, Jeon HJ, Pyo JH, Kim YS, Yoo MA.

Aging (Albany NY). 2018 Mar 7;10(3):322-338. doi: 10.18632/aging.101390.

PMID: 29514136

[\[Abstract\]](#)

Vps13D Encodes a Ubiquitin-Binding Protein that Is Required for the Regulation of Mitochondrial Size and Clearance.

Anding AL, Wang C, Chang TK, Sliter DA, Powers CM, Hofmann K, Youle RJ, Baehrecke EH.

Curr Biol. 2018 Jan 22;28(2):287-295.e6. doi: 10.1016/j.cub.2017.11.064. Epub 2018 Jan 4.

PMID: 29307555

[\[Abstract\]](#)

Dstac is required for normal circadian activity rhythms in Drosophila.

Hsu IU, Linsley JW, Varineau JE, Shafer OT, Kuwada JY.

Chronobiol Int. 2018 Apr 5:1-11. doi: 10.1080/07420528.2018.1454937. [Epub ahead of print]

PMID: 29621409

[\[Abstract\]](#)

Nutritional Control of Stem Cell Division through S-Adenosylmethionine in Drosophila Intestine.

Obata F, Tsuda-Sakurai K, Yamazaki T, Nishio R, Nishimura K, Kimura M, Funakoshi M, Miura M.

Dev Cell. 2018 Mar 26;44(6):741-751.e3. doi: 10.1016/j.devcel.2018.02.017.

PMID: 29587144

[\[Abstract\]](#)

p38b and JAK-STAT signaling protect against Invertebrate iridescent virus 6 infection in Drosophila.

West C, Silverman N.

PLoS Pathog. 2018 May 10;14(5):e1007020. doi: 10.1371/journal.ppat.1007020. eCollection 2018 May.

PMID: 29746571

[\[Abstract\]](#)

Regulation of Smoothed ubiquitination and cell surface expression by a Cul4-DDB1-G β E3 ubiquitin ligase complex.

Li S, Cho YS, Wang B, Li S, Jiang J.

J Cell Sci. 2018 Jun 21. pii: jcs.218016. doi: 10.1242/jcs.218016. [Epub ahead of print]

PMID: 29930086

[\[Abstract\]](#)

The InR/Akt/TORC1 Growth-Promoting Signaling Negatively Regulates JAK/STAT Activity and Migratory Cell Fate during Morphogenesis.

Kang D, Wang D, Xu J, Quan C, Guo X, Wang H, Luo J, Yang Z, Chen S, Chen J.

Dev Cell. 2018 Feb 26;44(4):524-531.e5. doi: 10.1016/j.devcel.2018.01.017. Epub 2018 Feb 15.

PMID: 29456138

[\[Abstract\]](#)

The TORC1-Regulated CPA Complex Rewires an RNA Processing Network to Drive Autophagy and Metabolic Reprogramming.

Tang HW, Hu Y, Chen CL, Xia B, Zirin J, Yuan M, Asara JM, Rabinow L, Perrimon N.

Cell Metab. 2018 May 1;27(5):1040-1054.e8. doi: 10.1016/j.cmet.2018.02.023. Epub 2018 Mar 29.

PMID: 29606597

[\[Abstract\]](#)

Novel Drosophila model for mitochondrial diseases by targeting of a solute carrier protein SLC25A46.

Suda K, Ueoka I, Azuma Y, Muraoka Y, Yoshida H, Yamaguchi M.
Brain Res. 2018 Jun 15;1689:30-44. doi: 10.1016/j.brainres.2018.03.028. Epub 2018 Mar 28.
PMID: 29604258

[\[Abstract\]](#)

DNA replication machinery contributes to development of eye in Drosophila.

Kohzaki H, Murakami Y.
Front Biosci (Landmark Ed). 2018 Jan 1;23:506-511.
PMID: 28930558

[\[Abstract\]](#)

Spatial regulation of microtubule disruption during dendrite pruning in Drosophila.

Herzmann S, Götzelmann I, Reekers LF, Rumpf S.
Development. 2018 May 11;145(9). pii: dev156950. doi: 10.1242/dev.156950.
PMID: 29712642

[\[Abstract\]](#)

Calcium and cAMP directly modulate the speed of the Drosophila circadian clock.

Palacios-Muñoz A, Ewer J.
PLoS Genet. 2018 Jun 7;14(6):e1007433. doi: 10.1371/journal.pgen.1007433. eCollection 2018 Jun.
PMID: 29879123

[\[Abstract\]](#)

PCYT1A Regulates Phosphatidylcholine Homeostasis from the Inner Nuclear Membrane in Response to Membrane Stored Curvature Elastic Stress.

Haider A, Wei YC, Lim K, Barbosa AD, Liu CH, Weber U, Mlodzik M, Oras K, Collier S, Hussain MM, Dong L, Patel S, Alvarez-Guaita A, Saudek V, Jenkins BJ, Koulman A, Dymond MK, Hardie RC, Siniosoglou S, Savage DB.
Dev Cell. 2018 May 21;45(4):481-495.e8. doi: 10.1016/j.devcel.2018.04.012. Epub 2018 May 10.
PMID: 29754800

[\[Abstract\]](#)

Anchor negatively regulates BMP signalling to control Drosophila wing development.

Wang XC, Liu Z, Jin LH.
Eur J Cell Biol. 2018 May;97(4):308-317. doi: 10.1016/j.ejcb.2018.04.007. Epub 2018 Apr 25.
PMID: 29735293

[\[Abstract\]](#)

Variant cell cycles regulated by Notch signaling control cell size and ensure a functional blood-brain barrier.

Von Stetina JR, Frawley LE, Unhavaithaya Y, Orr-Weaver TL.
Development. 2018 Feb 13;145(3). pii: dev157115. doi: 10.1242/dev.157115.

PMID: 29440220

[\[Abstract\]](#)

APC Inhibits Ligand-Independent Wnt Signaling by the Clathrin Endocytic Pathway.

Saito-Diaz K, Benchabane H, Tiwari A, Tian A, Li B, Thompson JJ, Hyde AS, Sawyer LM, Jodoin JN, Santos E, Lee LA, Coffey RJ, Beauchamp RD, Williams CS, Kenworthy AK, Robbins DJ, Ahmed Y, Lee E.
Dev Cell. 2018 Mar 12;44(5):566-581.e8. doi: 10.1016/j.devcel.2018.02.013.

PMID: 29533772

[\[Abstract\]](#)

Effect of heterochromatin stability on intestinal stem cell aging in Drosophila.

Jeon HJ, Kim YS, Kim JG, Heo K, Pyo JH, Yamaguchi M, Park JS, Yoo MA.
Mech Ageing Dev. 2018 Jul;173:50-60. doi: 10.1016/j.mad.2018.04.001. Epub 2018 Apr 3.

PMID: 29625135

[\[Abstract\]](#)

Aminergic Signaling Controls Ovarian Dormancy in Drosophila.

Andreatta G, Kyriacou CP, Flatt T, Costa R.
Sci Rep. 2018 Feb 1;8(1):2030. doi: 10.1038/s41598-018-20407-z.

PMID: 29391447

[\[Abstract\]](#)

Drosophila immune cells extravasate from vessels to wounds using Tre1 GPCR and Rho signaling.

Thuma L, Carter D, Weavers H, Martin P.
J Cell Biol. 2018 Jun 25. pii: jcb.201801013. doi: 10.1083/jcb.201801013. [Epub ahead of print]

PMID: 29941473

[\[Abstract\]](#)

Serpin Facilitates Tumor-Suppressive Cell Competition by Blocking Toll-Mediated Yki Activation in Drosophila.

Katsukawa M, Ohsawa S, Zhang L, Yan Y, Igaki T.
Curr Biol. 2018 Jun 4;28(11):1756-1767.e6. doi: 10.1016/j.cub.2018.04.022. Epub 2018 May 24.

PMID: 29804808

[\[Abstract\]](#)

Networks that link cytoskeletal regulators and diaphragm proteins underpin filtration function in Drosophila nephrocytes.

Muraleedharan S, Sam A, Skaer H, Inamdar MS.
Exp Cell Res. 2018 Mar 15;364(2):234-242. doi: 10.1016/j.yexcr.2018.02.015. Epub 2018 Feb 16.

PMID: 29458174

[\[Abstracts\]](#)

highroad Is a Carboxypeptidase Induced by Retinoids to Clear Mutant Rhodopsin-1 in Drosophila Retinitis Pigmentosa Models.

Huang HW, Brown B, Chung J, Domingos PM, Ryoo HD.

Cell Rep. 2018 Feb 6;22(6):1384-1391. doi: 10.1016/j.celrep.2018.01.032.

PMID: 29425495

[\[Abstract\]](#)

DNA replication machinery is required for development in Drosophila.

Kohzaki H, Asano M, Murakami Y.

Front Biosci (Landmark Ed). 2018 Jan 1;23:493-505.

PMID: 28930557

[\[Abstract\]](#)

A population of adult satellite-like cells in Drosophila is maintained through a switch in RNA-isoforms.

Boukhatmi H, Bray S.

Elife. 2018 Apr 9;7. pii: e35954. doi: 10.7554/eLife.35954.

PMID: 29629869

[\[Abstract\]](#)

Drosophila as a Model Organism.

Yamaguchi M.

Drosophila Models for Human Diseases. Advances in Experimental Medicine and Biology, vol 1076.

Springer, Singapore. Doi: 10.1007/978-981-13-0529-0_1

[\[Abstract\]](#)

Regulation of Yki/Yap subcellular localization and Hpo signaling by a nuclear kinase PRP4K.

Cho YS, Zhu J, Li S, Wang B, Han Y, Jiang J.

Nat Commun. 2018 Apr 25;9(1):1657. doi: 10.1038/s41467-018-04090-2.

PMID: 29695716

[\[Abstract\]](#)

Elongator complex is required for long-term olfactory memory formation in Drosophila.

Yu D, Tan Y, Chakraborty M, Tomchik S, Davis RL.

Learn Mem. 2018 Mar 15;25(4):183-196. doi: 10.1101/lm.046557.117. Print 2018 Apr.

PMID: 29545390

[\[Abstract\]](#)

Time-resolved transcriptomics in neural stem cells identifies a v-ATPase/Notch regulatory loop.

Wissel S, Harzer H, Bonnay F, Burkard TR, Neumüller RA, Knoblich JA.

J Cell Biol. 2018 Jun 29. pii: jcb.201711167. doi: 10.1083/jcb.201711167. [Epub ahead of print]

PMID: 29959232

[\[Abstract\]](#)

Feeding difficulties, a key feature of the *Drosophila* NDUFS4 mitochondrial disease model.

Foriel S, Beyrath J, Eidhof I, Rodenburg RJ, Schenck A, Smeitink JAM.

Dis Model Mech. 2018 Mar 27;11(3). pii: dmm032482. doi: 10.1242/dmm.032482.

PMID: 29590638

[\[Abstract\]](#)

Enhanced expression of thioredoxin-interacting-protein regulates oxidative DNA damage and aging.

Oberacker T, Bajorat J, Ziola S, Schroeder A, Röth D, Kastl L, Edgar BA, Wagner W, Gülow K, Krammer PH.

FEBS Lett. 2018 Jun 13. doi: 10.1002/1873-3468.13156. [Epub ahead of print]

PMID: 29897613

[\[Abstract\]](#)

RhoGAPP190: A potential player in *tbph*-mediated neurodegeneration in *Drosophila*.

Langelotti S, Romano G, Feiguin F, Baralle FE, Romano M.

PLoS One. 2018 Apr 13;13(4):e0195845. doi: 10.1371/journal.pone.0195845. eCollection 2018.

PMID: 29652933

[\[Abstract\]](#)

Wash exhibits context-dependent phenotypes and, along with the WASH regulatory complex, regulates *Drosophila* oogenesis.

Verboon JM, Decker JR, Nakamura M, Parkhurst SM.

J Cell Sci. 2018 Apr 13;131(8). pii: jcs211573. doi: 10.1242/jcs.211573. Erratum in: J Cell Sci. 2018 May 1;131(9).

PMID: 29549166

[\[Abstract\]](#)

Hedgehog reciprocally controls trafficking of Smo and Ptc through the Smurf family of E3 ubiquitin ligases.

Li S, Li S, Wang B, Jiang J.

Sci Signal. 2018 Feb 6;11(516). pii: ean8660. doi: 10.1126/scisignal.aan8660.

PMID: 29438012

[\[Abstract\]](#)

Evidence for activation of nitenpyram by a mitochondrial cytochrome P450 in *Drosophila melanogaster*.

Harrop TW, Denecke S, Yang YT, Chan J, Daborn PJ, Perry T, Batterham P.

Pest Manag Sci. 2018 Jul;74(7):1616-1622. doi: 10.1002/ps.4852. Epub 2018 Feb 26.

PMID: 29316188

[\[Abstract\]](#)

aPKC is a key polarity determinant in coordinating the function of three distinct cell polarities during collective migration.

Wang H, Qiu Z, Xu Z, Chen SJ, Luo J, Wang X, Chen J.

Development. 2018 May 2;145(9). pii: dev158444. doi: 10.1242/dev.158444.

PMID: 29636381

[\[Abstract\]](#)

Ubiquitination of ABCE1 by NOT4 in Response to Mitochondrial Damage Links Co-translational Quality Control to PINK1-Directed Mitophagy.

Wu Z, Wang Y, Lim J, Liu B, Li Y, Vartak R, Stankiewicz T, Montgomery S, Lu B.

Cell Metab. 2018 Jul 3;28(1):130-144.e7. doi: 10.1016/j.cmet.2018.05.007. Epub 2018 May 31.

PMID: 29861391

[\[Abstract\]](#)

Alpha-synuclein delays mitophagy and targeting Miro rescues neuron loss in Parkinson's models.

Shaltouki A, Hsieh CH, Kim MJ, Wang X.

Acta Neuropathol. 2018 Jun 9. doi: 10.1007/s00401-018-1873-4. [Epub ahead of print]

PMID: 29923074

[\[Abstract\]](#)

A GABAergic Feedback Shapes Dopaminergic Input on the Drosophila Mushroom Body to Promote Appetitive Long-Term Memory.

Pavlovsky A, Schor J, Plaçais PY, Preat T.

Curr Biol. 2018 Jun 4;28(11):1783-1793.e4. doi: 10.1016/j.cub.2018.04.040. Epub 2018 May 17.

PMID: 29779874

[\[Abstract\]](#)

Overexpression of ter94, Drosophila VCP, improves motor neuron degeneration induced by knockdown of TBPH, Drosophila TDP-43.

Kushimura Y, Tokuda T, Azuma Y, Yamamoto I, Mizuta I, Mizuno T, Nakagawa M, Ueyama M, Nagai Y, Yoshida H, Yamaguchi M.

Am J Neurodegener Dis. 2018 Feb 5;7(1):11-31. eCollection 2018.

PMID: 29531866

[\[Abstract\]](#)

dSTIM- and Ral/Exocyst-Mediated Synaptic Release from Pupal Dopaminergic Neurons Sustains Drosophila Flight.

Richhariya S, Jayakumar S, Kumar Sukumar S, Hasan G.

eNeuro. 2018 Jun 18;5(3). pii: ENEURO.0455-17.2018. doi: 10.1523/ENEURO.0455-17.2018. eCollection 2018 May-Jun.

PMID: 29938216

[\[Abstract\]](#)

Wnt6 maintains anterior escort cells as an integral component of the germline stem cell niche.

Wang X, Page-McCaw A.

Development. 2018 Feb 7;145(3). pii: dev158527. doi: 10.1242/dev.158527.

PMID: 29361569

[\[Abstract\]](#)

Gene regulatory network architecture in different developmental contexts influences the genetic basis of morphological evolution.

Kittelman S, Buffry AD, Franke FA, Almudi I, Yoth M, Sabaris G, Couso JP, Nunes MDS, Frankel N, Gómez-Skarmeta JL, Pueyo-Marques J, Arif S, McGregor AP.

PLoS Genet. 2018 May 3;14(5):e1007375. doi: 10.1371/journal.pgen.1007375. eCollection 2018 May.

PMID: 29723190

[\[Abstract\]](#)

Downregulation of glutamic acid decarboxylase in Drosophila TDP-43-null brains provokes paralysis by affecting the organization of the neuromuscular synapses.

Romano G, Holodkov N, Klima R, Grilli F, Guarnaccia C, Nizzardo M, Rizzo F, Garcia R, Feiguin F.

Sci Rep. 2018 Jan 29;8(1):1809. doi: 10.1038/s41598-018-19802-3.

PMID: 29379112

[\[Abstract\]](#)

Maintenance of Proper Germline Stem Cell Number Requires Adipocyte Collagen in Adult Drosophila Females.

Weaver LN, Drummond-Barbosa D.

Genetics. 2018 Aug;209(4):1155-1166. doi: 10.1534/genetics.118.301137. Epub 2018 Jun 8.

PMID: 29884747

[\[Abstract\]](#)

High-Amplitude Circadian Rhythms in Drosophila Driven by Calcineurin-Mediated Post-translational Control of *sarah*.

Kweon SH, Lee J, Lim C, Choe J.

Genetics. 2018 Jul;209(3):815-828. doi: 10.1534/genetics.118.300808. Epub 2018 May 3.

PMID: 29724861

[\[Abstract\]](#)

Serrate/Notch Signaling Regulates the Size of the Progenitor Cell Pool in Drosophila Imaginal Rings.

Yang SA, Deng WM.

Genetics. 2018 Jul;209(3):829-843. doi: 10.1534/genetics.118.300963. Epub 2018 May 17.

PMID: 29773559

[\[Abstract\]](#)

Prothoracicotropic hormone modulates environmental adaptive plasticity through the control of developmental timing.

Shimell M, Pan X, Martin FA, Ghosh AC, Leopold P, O'Connor MB, Romero NM.
Development. 2018 Mar 14;145(6). pii: dev159699. doi: 10.1242/dev.159699.
PMID: 29467242

[\[Abstract\]](#)

A Burrowing/Tunneling Assay for Detection of Hypoxia in Drosophila melanogaster Larvae.

Qiang KM, Zhou F, Beckingham KM.
J Vis Exp. 2018 Mar 27;(133). doi: 10.3791/57131.
PMID: 29658928

[\[Abstract\]](#)

The asymmetrically segregating lncRNA cherub is required for transforming stem cells into malignant cells.

Landskron L, Steinmann V, Bonnay F, Burkard TR, Steinmann J, Reichardt I, Harzer H, Laurenson AS, Reichert H, Knoblich JA.
Elife. 2018 Mar 27;7. pii: e31347. doi: 10.7554/eLife.31347.
PMID: 29580384

[\[Abstract\]](#)

Missense Variants in RHOBTB2 Cause a Developmental and Epileptic Encephalopathy in Humans, and Altered Levels Cause Neurological Defects in Drosophila.

Straub J, Konrad EDH, Grüner J, Toutain A, Bok LA, et al.
Am J Hum Genet. 2018 Jan 4;102(1):44-57. doi: 10.1016/j.ajhg.2017.11.008. Epub 2017 Dec 21.
PMID: 29276004

[\[Abstract\]](#)

PI3K/Akt Cooperates with Oncogenic Notch by Inducing Nitric Oxide-Dependent Inflammation.

Villegas SN, Gombos R, García-López L, Gutiérrez-Pérez I, García-Castillo J, Vallejo DM, Da Ros VG, Ballesta-Illán E, Mihály J, Dominguez M.
Cell Rep. 2018 Mar 6;22(10):2541-2549. doi: 10.1016/j.celrep.2018.02.049.
PMID: 29514083

[\[Abstract\]](#)

Insulin signaling acts in adult adipocytes via GSK-3 β and independently of FOXO to control Drosophila female germline stem cell numbers.

Armstrong AR, Drummond-Barbosa D.
Dev Biol. 2018 Aug 1;440(1):31-39. doi: 10.1016/j.ydbio.2018.04.028. Epub 2018 May 2.
PMID: 29729259

[\[Abstract\]](#)

Auditory experience controls the maturation of song discrimination and sexual response in *Drosophila*.

Li X, Ishimoto H, Kamikouchi A.

Elife. 2018 Mar 20;7. pii: e34348. doi: 10.7554/eLife.34348.

PMID: 29555017

[\[Abstract\]](#)

***Drosophila* PEBP1 inhibits intestinal stem cell aging via suppression of ERK pathway.**

Pyo JH, Jeon HJ, Park JS, Lee JS, Chung HY, Yoo MA.

Oncotarget. 2018 Apr 6;9(26):17980-17993. doi: 10.18632/oncotarget.24834. eCollection 2018 Apr 6.

PMID: 29719584

[\[Abstract\]](#)

Recurrent Circuitry for Balancing Sleep Need and Sleep.

Donlea JM, Pimentel D, Talbot CB, Kempf A, Omoto JJ, Hartenstein V, Miesenböck G.

Neuron. 2018 Jan 17;97(2):378-389.e4. doi: 10.1016/j.neuron.2017.12.016. Epub 2018 Jan 4.

PMID: 29307711

[\[Abstract\]](#)

Self-restrained regulation of stem cell niche activity by niche components in the *Drosophila* testis.

Xu R, Li J, Zhao H, Kong R, Wei M, Shi L, Bai G, Li Z.

Dev Biol. 2018 Jul 1;439(1):42-51. doi: 10.1016/j.ydbio.2018.04.011. Epub 2018 Apr 19.

PMID: 29679558

[\[Abstract\]](#)

Cell-Autonomous Regulation of Dendrite Self-Avoidance by the Wnt Secretory Factor MIG-14/Wntless.

Liao CP, Li H, Lee HH, Chien CT, Pan CL.

Neuron. 2018 Apr 18;98(2):320-334.e6. doi: 10.1016/j.neuron.2018.03.031.

PMID: 29673481

[\[Abstract\]](#)

Tet protein function during *Drosophila* development.

Wang F, Minakhina S, Tran H, Changela N, Kramer J, Steward R.

PLoS One. 2018 Jan 11;13(1):e0190367. doi: 10.1371/journal.pone.0190367. eCollection 2018.

PMID: 29324752

[\[Abstract\]](#)

***Drosophila* Full-Length Amyloid Precursor Protein Is Required for Visual Working Memory and Prevents Age-Related Memory Impairment.**

Rieche F, Carmine-Simmen K, Poeck B, Kretschmar D, Strauss R.

Curr Biol. 2018 Mar 5;28(5):817-823.e3. doi: 10.1016/j.cub.2018.01.077. Epub 2018 Feb 22.

PMID: 29478851

[\[Abstract\]](#)

Mushroom body glycolysis is required for olfactory memory in *Drosophila*.

Wu CL, Chang CC, Wu JK, Chiang MH, Yang CH, Chiang HC.

Neurobiol Learn Mem. 2018 Apr;150:13-19. doi: 10.1016/j.nlm.2018.02.015. Epub 2018 Feb 22.

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A metabolic function of FGFR3-TACC3 gene fusions in cancer.

Frattini V, Pagnotta SM, Tala, Fan JJ, Russo MV, Lee SB, Garofano L, Zhang J, Shi P, Lewis G, Sanson H, Frederick V, Castano AM, Cerulo L, Rolland DCM, Mall R, Mokhtari K, Elenitoba-Johnson KSJ, Sanson M, Huang X, Ceccarelli M, Lasorella A, Iavarone A.

Nature. 2018 Jan 11;553(7687):222-227. doi: 10.1038/nature25171. Epub 2018 Jan 3.

PMID: 29323298

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Revisiting the developmental and cellular role of the pigmentation gene yellow in Drosophila using a tagged allele.

Hinaux H, Bachem K, Battistara M, Rossi M, Xin Y, Jaenichen R, Le Poul Y, Arnoult L, Kobler JM, Grunwald Kadow IC, Rodermund L, Prud'homme B, Gompel N.

Dev Biol. 2018 Jun 15;438(2):111-123. doi: 10.1016/j.ydbio.2018.04.003. Epub 2018 Apr 7.

PMID: 29634916

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Competition for Space Is Controlled by Apoptosis-Induced Change of Local Epithelial Topology.

Tsuboi A, Ohsawa S, Umetsu D, Sando Y, Kuranaga E, Igaki T, Fujimoto K.

Curr Biol. 2018 Jul 9;28(13):2115-2128.e5. doi: 10.1016/j.cub.2018.05.029. Epub 2018 Jun 18.

PMID: 29910075

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Drosophila TNF Modulates Tissue Tension in the Embryo to Facilitate Macrophage Invasive Migration.

Ratheesh A, Biebl J, Vesela J, Smutny M, Papusheva E, Krens SFG, Kaufmann W, Gyoergy A, Casano AM, Siekhaus DE.

Dev Cell. 2018 May 7;45(3):331-346.e7. doi: 10.1016/j.devcel.2018.04.002.

PMID: 29738712

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Drosophila Sidekick is required in developing photoreceptors to enable visual motion detection.

Astigarraga S, Douthit J, Tarnogorska D, Creamer MS, Mano O, Clark DA, Meinertzhagen IA, Treisman JE.

Development. 2018 Feb 5;145(3). pii: dev158246. doi: 10.1242/dev.158246.

PMID: 29361567

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Functional Validation of Candidate Genes Detected by Genomic Feature Models.

Rohde PD, Østergaard S, Kristensen TN, Sørensen P, Loeschcke V, Mackay TFC, Sarup P.

G3 (Bethesda). 2018 May 4;8(5):1659-1668. doi: 10.1534/g3.118.200082.

PMID: 29519937

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In vivo expansion of functionally integrated GABAergic interneurons by targeted increase in neural progenitors.

Shaw RE, Kottler B, Ludlow ZN, Buhl E, Kim D, Morais da Silva S, Miedzik A, Coum A, Hodge JJ, Hirth F, Sousa-Nunes R.

EMBO J. 2018 Jul 2;37(13). pii: e98163. doi: 10.15252/emboj.201798163. Epub 2018 May 4.

PMID: 29728368

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Phosphorylation of MCAD selectively rescues PINK1 deficiencies in behavior and metabolism.

Course MM, Scott AI, Schoor C, Hsieh CH, Papakyrikos AM, Winter D, Cowan TM, Wang X.

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PMID: 29563254

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Mutations in Cytosine-5 tRNA Methyltransferases Impact Mobile Element Expression and Genome Stability at Specific DNA Repeats.

Genencher B, Durdevic Z, Hanna K, Zinkl D, Mobin MB, Senturk N, Da Silva B, Legrand C, Carré C, Lyko F, Schaefer M.

Cell Rep. 2018 Feb 13;22(7):1861-1874. doi: 10.1016/j.celrep.2018.01.061.

PMID: 29444437

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Atf3 links loss of epithelial polarity to defects in cell differentiation and cytoarchitecture.

Donohoe CD, Csordás G, Correia A, Jindra M, Klein C, Habermann B, Uhlířova M.

PLoS Genet. 2018 Mar 1;14(3):e1007241. doi: 10.1371/journal.pgen.1007241. eCollection 2018 Mar.

PMID: 29494583

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Stress-induced reproductive arrest in Drosophila occurs through ETH deficiency-mediated suppression of oogenesis and ovulation.

Meiselman MR, Kingan TG, Adams ME.

BMC Biol. 2018 Jan 30;16(1):18. doi: 10.1186/s12915-018-0484-9.

PMID: 29382341

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Humanized Flies and Resources for Cross-Species Study.

Takano-Shimizu-Kouno T, Ohsako T.

Adv Exp Med Biol. 2018;1076:277-288. doi: 10.1007/978-981-13-0529-0_15.

PMID: 29951825

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Zc3h13/Flacc is required for adenosine methylation by bridging the mRNA-binding factor Rbm15/Spenito to the m6A machinery component Wtap/FI(2)d.

Knuckles P, Lence T, Haussmann IU, Jacob D, Kreim N, Carl SH, Masiello I, Hares T, Villaseñor R, Hess D, Andrade-Navarro MA, Biggiogera M, Helm M, Soller M, Bühler M, Rognant JY.

Genes Dev. 2018 Mar 1;32(5-6):415-429. doi: 10.1101/gad.309146.117. Epub 2018 Mar 13.

PMID: 29535189

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A transcriptomics resource reveals a transcriptional transition during ordered sarcomere morphogenesis in flight muscle.

Spletter ML, Barz C, Yeroslaviz A, Zhang X, Lemke SB, Bonnard A, Brunner E, Cardone G, Basler K, Habermann BH, Schnorrer F.

Elife. 2018 May 30;7. pii: e34058. doi: 10.7554/eLife.34058.

PMID: 29846170

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Nitric oxide-mediated posttranslational modifications control neurotransmitter release by modulating complexin farnesylation and enhancing its clamping ability.

Robinson SW, Bourgoignon JM, Spiers JG, Breda C, Campesan S, Butcher A, Mallucci GR, Dinsdale D, Morone N, Mistry R, Smith TM, Guerra-Martin M, Challiss RAJ, Giorgini F, Steinert JR.

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PMID: 29630591

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Temporospatial induction of homeodomain gene cut dictates natural lineage reprogramming.

Xu K, Liu X, Wang Y, Wong C, Song Y.

Elife. 2018 May 1;7. pii: e33934. doi: 10.7554/eLife.33934.

PMID: 29714689

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Dynamic Fluctuations in Subcellular Localization of the Hippo Pathway Effector Yorkie In Vivo.

Manning SA, Dent LG, Kondo S, Zhao ZW, Plachta N, Harvey KF.

Curr Biol. 2018 May 21;28(10):1651-1660.e4. doi: 10.1016/j.cub.2018.04.018. Epub 2018 May 10.

PMID: 29754899

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Cell-type specific sequencing of microRNAs from complex animal tissues.

Alberti C, Manzenreither RA, Sowemimo I, Burkard TR, Wang J, Mahofsky K, Ameres SL, Cochella L.

Nat Methods. 2018 Apr;15(4):283-289. doi: 10.1038/nmeth.4610. Epub 2018 Feb 26.

PMID: 29481550

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CHMP1B is a target of USP8/UBPY regulated by ubiquitin during endocytosis.

Crespo-Yañez X, Aguilar-Gurrieri C, Jacomin AC, Journet A, Mortier M, Taillebourg E, Soleilhac E, Weissenhorn W, Fauvarque MO.

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PMID: 29933386

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GABAergic Local Interneurons Shape Female Fruit Fly Response to Mating Songs.

Yamada D, Ishimoto H, Li X, Kohashi T, Ishikawa Y, Kamikouchi A.

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PMID: 29691331

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Integration of Drosophila and Human Genetics to Understand Notch Signaling Related Diseases.

Salazar JL, Yamamoto S.

Adv Exp Med Biol. 2018;1066:141-185. doi: 10.1007/978-3-319-89512-3_8.

PMID: 30030826

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Rap1 Negatively Regulates the Hippo Pathway to Polarize Directional Protrusions in Collective Cell Migration.

Chang YC, Wu JW, Hsieh YC, Huang TH, Liao ZM, Huang YS, Mondo JA, Montell D, Jang AC.

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PMID: 29466741

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Chaski, a novel Drosophila lactate/pyruvate transporter required in glia cells for survival under nutritional stress.

Delgado MG, Oliva C, López E, Ibacache A, Galaz A, Delgado R, Barros LF, Sierralta J.

Sci Rep. 2018 Jan 19;8(1):1186. doi: 10.1038/s41598-018-19595-5.

PMID: 29352169

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High-Throughput Functional Analysis Distinguishes Pathogenic, Nonpathogenic, and Compensatory Transcriptional Changes in Neurodegeneration.

Al-Ramahi I, Lu B, Di Paola S, Pang K, de Haro M, Peluso I, Gallego-Flores T, Malik NT, Erikson K, Bleiberg BA, Avalos M, Fan G, Rivers LE, Laitman AM, Diaz-García JR, Hild M, Palacino J, Liu Z, Medina DL, Botas J.

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PMID: 29936182

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AKAP200 promotes Notch stability by protecting it from Cbl/lysosome-mediated degradation in Drosophila melanogaster.

Bala Tannan N, Collu G, Humphries AC, Serysheva E, Weber U, Mlodzik M.

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PMID: 29309414

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Restraining Network Response to Targeted Cancer Therapies Improves Efficacy and Reduces Cellular Resistance.

Das TK, Esernio J, Cagan R.

Cancer Res. 2018 May 29. pii: canres.2001.2017. doi: 10.1158/0008-5472.CAN-17-2001. [Epub ahead of print]

PMID: 29844121

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Internal amino acid state modulates yeast taste neurons to support protein homeostasis in *Drosophila*.

Steck K, Walker SJ, Itskov PM, Baltazar C, Moreira JM, Ribeiro C.

Elife. 2018 Feb 2;7. pii: e31625. doi: 10.7554/eLife.31625.

PMID: 29393045

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A Targeted RNAi Screen Reveals *Drosophila* Female-Sterile Genes That Control the Size of Germline Stem Cell Niche During Development.

Cho Y, Lai CM, Lin KY, Hsu HJ.

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PMID: 29764959

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ATP synthase F1 subunits recruited to centromeres by CENP-A are required for male meiosis.

Collins CM, Malacrida B, Burke C, Kiely PA, Dunleavy EM.

Nat Commun. 2018 Jul 13;9(1):2702. doi: 10.1038/s41467-018-05093-9.

PMID: 30006572

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Developmental arrest in *Drosophila melanogaster* caused by mitochondrial DNA replication defects cannot be rescued by the alternative oxidase.

Rodrigues APC, Camargo AF, Andjelković A, Jacobs HT, Oliveira MT.

Sci Rep. 2018 Jul 18;8(1):10882. doi: 10.1038/s41598-018-29150-x.

PMID: 30022066

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Zhang SX, Miner LE, Boutros CL, Rogulja D, Crickmore MA.

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PMID: 29983326

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Control of pheromone production by ovaries in *Drosophila*.

Baron A, Denis B, Wicker-Thomas C.

J Insect Physiol. 2018 Jul 10;109:138-143. doi: 10.1016/j.jinsphys.2018.07.003. [Epub ahead of print]

PMID: 30003888

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The *Drosophila* insulin pathway controls Profilin expression and dynamic actin-rich protrusions during collective cell migration.

Ghiglione C, Jouandin P, Cérézo D, Noselli S.

Development. 2018 Jul 6. pii: dev.161117. doi: 10.1242/dev.161117. [Epub ahead of print]

PMID: 29980565

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CtBP represses Dpp-dependent Mad activation during Drosophila eye development.

Eusebio N, Tavares L, Pereira PS.

Dev Biol. 2018 Jul 19. pii: S0012-1606(17)30872-2. doi: 10.1016/j.ydbio.2018.07.018. [Epub ahead of print]

PMID: 30031756

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A bidirectional relationship between sleep and oxidative stress in Drosophila.

Hill VM, O'Connor RM, Sissoko GB, Irobunda IS, Leong S, Canman JC, Stavropoulos N, Shirasu-Hiza M.

PLoS Biol. 2018 Jul 12;16(7):e2005206. doi: 10.1371/journal.pbio.2005206. eCollection 2018 Jul.

PMID: 30001323

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Glial expression of disease-associated poly-glutamine proteins impairs the blood-brain barrier in Drosophila.

Yeh PA, Liu YH, Chu WC, Liu JY, Sun YH.

Hum Mol Genet. 2018 Jul 15;27(14):2546-2562. doi: 10.1093/hmg/ddy160.

PMID: 29726932

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Oncogenic cooperation between Yorkie and the conserved microRNA miR-8 in the wing disc of Drosophila.

Sander M, Eichenlaub T, Herranz H.

Development. 2018 Jul 6;145(13). pii: dev153817. doi: 10.1242/dev.153817.

PMID: 29945869

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Thin is required for cell death in the Drosophila abdominal muscles by targeting DIAP1.

Vishal K, Bawa S, Brooks D, Bauman K, Geisbrecht ER.

Cell Death Dis. 2018 Jul 3;9(7):740. doi: 10.1038/s41419-018-0756-x.

PMID: 29970915

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Nuclear Lamin is required for Winged Eye-mediated transdetermination of Drosophila imaginal disc.

Masuko K, Furuhashi H, Komaba K, Numao E, Nakajima R, Fuse N, Kurata S.

Genes Cells. 2018 Jul 2. doi: 10.1111/gtc.12608. [Epub ahead of print]

PMID: 29968323

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The major β -catenin/E-cadherin junctional binding site is a primary molecular mechano-transducer of differentiation in vivo.

Röper JC, Mitrossilis D, Stirnemann G, Waharte F, Brito I, Fernandez-Sanchez ME, Baaden M, Salamero J, Farge E.

Elife. 2018 Jul 19;7. pii: e33381. doi: 10.7554/eLife.33381.

PMID: 30024850

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Behavioral and genetic features of sleep ontogeny in *Drosophila*.

Dilley LC, Vigderman A, Williams CE, Kayser MS.

Sleep. 2018 Jul 1;41(7). doi: 10.1093/sleep/zsy086.

PMID: 29746663

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Phosphorylation of *Drosophila* Brahma on CDK-phosphorylation sites is important for cell cycle regulation and differentiation.

Roesley SNA, La Marca JE, Deans AJ, Mckenzie L, Suryadinata R, Burke P, Portela M, Wang H, Bernard O, Sarcevic B, Richardson HE.

Cell Cycle. 2018 Jul 14:1-20. doi: 10.1080/15384101.2018.1493414. [Epub ahead of print]

PMID: 29963966

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Caspases maintain tissue integrity by an apoptosis-independent inhibition of cell migration and invasion.

Gorelick-Ashkenazi A, Weiss R, Sapozhnikov L, Florentin A, Tarayrah-Ibraheim L, Dweik D, Yacobi-Sharon K, Arama E.

Nat Commun. 2018 Jul 18;9(1):2806. doi: 10.1038/s41467-018-05204-6.

PMID: 30022065

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Histone variant H2A.Z deposition and acetylation directs the canonical Notch signaling response.

Gaiimo BD, Ferrante F, Vallejo DM, Hein K, Gutierrez-Perez I, Nist A, Stiewe T, Mittler G, Herold S, Zimmermann T, Bartkuhn M, Schwarz P, Oswald F, Dominguez M, Borggreffe T.

Nucleic Acids Res. 2018 Jul 9. doi: 10.1093/nar/gky551. [Epub ahead of print]

PMID: 29986055

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The *Drosophila* Receptor Tyrosine Kinase Alk constrains long-term memory formation.

Gouzi JY, Bouraimi M, Roussou IG, Moressis A, Skoulakis EMC.

J Neurosci. 2018 Jul 20. pii: 0784-18. doi: 10.1523/JNEUROSCI.0784-18.2018. [Epub ahead of print]

PMID: 30030398

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LAT1-like transporters regulate dopaminergic transmission and sleep in *Drosophila*.

Aboudhiah S, Alves G, Parrot S, Amri M, Simonnet MM, Grosjean Y, Manière G, Seugnet L.

Sleep. 2018 Jul 16. doi: 10.1093/sleep/zsy137. [Epub ahead of print]

PMID: 30016498

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Systemic control of immune cell development by integrated carbon dioxide and hypoxia chemosensation in *Drosophila*.

Cho B, Spratford CM, Yoon S, Cha N, Banerjee U, Shim J.

Nat Commun. 2018 Jul 11;9(1):2679. doi: 10.1038/s41467-018-04990-3.

PMID: 29992947

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Apical and Basal Matrix Remodeling Control Epithelial Morphogenesis.

Diaz-de-la-Loza MD, Ray RP, Ganguly PS, Alt S, Davis JR, Hoppe A, Tapon N, Salbreux G, Thompson BJ.

Dev Cell. 2018 Jul 2;46(1):23-39.e5. doi: 10.1016/j.devcel.2018.06.006.

PMID: 29974861

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Yorkie Functions at the Cell Cortex to Promote Myosin Activation in a Non-transcriptional Manner.

Xu J, Vanderzalm PJ, Ludwig M, Su T, Tokamov SA, Fehon RG.

Dev Cell. 2018 Jul 9. pii: S1534-5807(18)30502-1. doi: 10.1016/j.devcel.2018.06.017. [Epub ahead of print]

PMID: 30032991

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A scar-like lesion is apparent in basement membrane after wound repair in vivo.

Ramos-Lewis W, LaFever KS, Page-McCaw A.

Matrix Biol. 2018 Jul 5. pii: S0945-053X(18)30213-0. doi: 10.1016/j.matbio.2018.07.004. [Epub ahead of print]

PMID: 29981372

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Systemic control of immune cell development by integrated carbon dioxide and hypoxia chemosensation in *Drosophila*.

Cho B, Spratford CM, Yoon S, Cha N, Banerjee U, Shim J.

Nat Commun. 2018 Jul 11;9(1):2679. doi: 10.1038/s41467-018-04990-3.

PMID: 29992947

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The Drosophila Hox gene Ultrabithorax controls appendage shape by regulating extracellular matrix dynamics.

De Las Heras JM, García-Cortés C, Foronda D, Pastor-Pareja JC, Shashidhara LS, Sánchez-Herrero E. *Development*. 2018 Jul 9;145(13). pii: dev161844. doi: 10.1242/dev.161844.

PMID: 29853618

[\[Abstract\]](#)

Differential expression of the Drosophila Ntan/Öbek controls ploidy in the blood-brain barrier.

Zülbahar S, Sieglitz F, Kottmeier R, Altenhein B, Rumpf S, Klämbt C.

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PMID: 30002129

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Pathogenic tau-induced piRNA depletion promotes neuronal death through transposable element dysregulation in neurodegenerative tauopathies.

Sun W, Samimi H, Gamez M, Zare H, Frost B.

Nat Neurosci. 2018 Aug;21(8):1038-1048. doi: 10.1038/s41593-018-0194-1. Epub 2018 Jul 23.

PMID: 30038280

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IRF2BPL Is Associated with Neurological Phenotypes.

Marcogliese PC, Shashi V, Spillmann RC, Stong N, Rosenfeld JA.

Am J Hum Genet. 2018 Jul 21. pii: S0002-9297(18)30233-7. doi: 10.1016/j.ajhg.2018.07.006. [Epub ahead of print]

PMID: 30057031

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Modulation of miR-210 alters phasing of circadian locomotor activity and impairs projections of PDF clock neurons in Drosophila melanogaster.

Cusumano P, Biscontin A, Sandrelli F, Mazzotta GM, Tregnago C, De Pittà C, Costa R.

PLoS Genet. 2018 Jul 16;14(7):e1007500. doi: 10.1371/journal.pgen.1007500. eCollection 2018 Jul.

PMID: 30011269

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Embryonic hematopoiesis modulates the inflammatory response and larval hematopoiesis in Drosophila.

Bazzi W, Cattenoz PB, Delaporte C, Dasari V, Sakr R, Yuasa Y, Giangrande A.

Elife. 2018 Jul 11;7. pii: e34890. doi: 10.7554/eLife.34890.

PMID: 29992900

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Key role of piRNAs in telomeric chromatin maintenance and telomere nuclear positioning in *Drosophila* germline.

Radion E, Morgunova V, Ryazansky S, Akulenko N, Lavrov S, Abramov Y, Komarov PA, Glukhov SI, Olovnikov I, Kalmykova A.

Epigenetics Chromatin. 2018 Jul 12;11(1):40. doi: 10.1186/s13072-018-0210-4.

PMID: 30001204

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Myc and the Tip60 chromatin remodeling complex control neuroblast maintenance and polarity in *Drosophila*.

Rust K, Tiwari MD, Mishra VK, Grawe F, Wodarz A.

EMBO J. 2018 Jul 11. pii: e98659. doi: 10.15252/embj.201798659. [Epub ahead of print]

PMID: 29997178

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Integration of Parallel Opposing Memories Underlies Memory Extinction.

Felsenberg J, Jacob PF, Walker T, Barnstedt O, Edmondson-Stait AJ, Pleijzier MW, Otto N, Schlegel P, Sharifi N, Perisse E, Smith CS, Lauritzen JS, Costa M, Jefferis GSXE, Bock DD, Waddell S.

Cell. 2018 Sep 6. pii: S0092-8674(18)31037-7. doi: 10.1016/j.cell.2018.08.021. [Epub ahead of print]

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Decoding the Regulatory Logic of the *Drosophila* Male Stem Cell System.

Tamirisa S, Papagiannouli F, Rempel E, Ermakova O, Trost N, Zhou J, Mundorf J, Brunel S, Ruhland N, Boutros M, Lohmann JU, Lohmann I.

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PMID: 30208329

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The *Drosophila* Ret gene functions in the stomatogastric nervous system with the Maverick TGF β ligand and the Gf α co-receptor.

Myers L, Perera H, Alvarado MG, Kidd T.

Development. 2018 Feb 2;145(3). pii: dev157446. doi: 10.1242/dev.157446.

PMID: 29361562

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Subcellular localization and Egl-mediated transport of telomeric retrotransposon HeT-A ribonucleoprotein particles in the *Drosophila* germline and early embryogenesis.

Kordyukova M, Morgunova V, Olovnikov I, Komarov PA, Mironova A, Olenkina OM, Kalmykova A.

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PMID: 30157274

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Developmentally regulated autophagy is required for eye formation in *Drosophila*.

Billes V, Kovács T, Manžéger A, Lőrincz P, Szincsaák S, Regős Á, Kulcsár PI, Korcsmáros T, Lukácsovich T, Hoffmann G, Erdélyi M, Mihály J, Takács-Vellai K, Sass M, Vellai T.

Autophagy. 2018;14(9):1499-1519. doi: 10.1080/15548627.2018.1454569. Epub 2018 Aug 9.

PMID: 29940806

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Introduction to Molecular Mechanisms in Notch Signal Transduction and Disease Pathogenesis.

Gaiimo BD, Borggreffe T.

Adv Exp Med Biol. 2018;1066:3-30. doi: 10.1007/978-3-319-89512-3_1.

PMID: 30030819

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Deubiquitinase Usp12 functions noncatalytically to induce autophagy and confer neuroprotection in models of Huntington's disease.

Aron R, Pellegrini P, Green EW, Maddison DC, Opoku-Nsiah K, Wong JS, Daub AC, Giorgini F, Finkbeiner S.

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PMID: 30266909

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Adaptation to constant light requires Fic-mediated AMPylation of BiP to protect against reversible photoreceptor degeneration.

Moehlman AT, Casey AK, Servage K, Orth K, Krämer H.

Elife. 2018 Jul 17;7. pii: e38752. doi: 10.7554/eLife.38752.

PMID: 30015618

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The sulfite oxidase Shopper controls neuronal activity by regulating glutamate homeostasis in *Drosophila* ensheathing glia.

Otto N, Marelja Z, Schoofs A, Kranenburg H, Bittern J, Yildirim K, Berh D, Bethke M, Thomas S, Rode S, Risse B, Jiang X, Pankratz M, Leimkühler S, Klämbt C.

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PMID: 30158546

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A molecular switch orchestrates enzyme specificity and secretory granule morphology.

Ji S, Samara NL, Revoredo L, Zhang L, Tran DT, Muirhead K, Tabak LA, Ten Hagen KG.

Nat Commun. 2018 Aug 29;9(1):3508. doi: 10.1038/s41467-018-05978-9.

PMID: 30158631

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Dysfunctional peroxisomes compromise gut structure and host defense by increased cell death and Tor-dependent autophagy.

Cara FD, Bülow M, Simmonds AJ, Rachubinski RA.

Mol Biol Cell. 2018 Sep 6;mbcE18070434. doi: 10.1091/mbc.E18-07-0434. [Epub ahead of print]

PMID: 30188767

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PMID: 30190277

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PMID: 30196406

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PMID: 30131442

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Li YX, Sibon OCM, Dijkers PF.

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PMID: 30205834

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PMID: 30109983

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PMID: 30120247

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Alyagor I, Berkun V, Keren-Shaul H, Marmor-Kollet N, David E, Mayseless O, Issman-Zecharya N, Amit I, Schuldiner O.

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PMID: 30194291

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Van Den Brink DM, Cubizolle A, Chatelain G, Davoust N, Girard V, Johansen S, Napoletano F, Dourlen P, Guillou L, Angebault-Prouteau C, Bernoud-Hubac N, Guichardant M, Brabet P, Mollereau B.

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PMID: 30174114

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PMID: 29142103

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Benhra N, Barrio L, Muzzopappa M, Milán M.

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Zmojdzian M, de Jossineau S, Da Ponte JP, Jagla K.

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PMID: 29247145

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Walcott KCE, Mauthner SE, Tsubouchi A, Robertson J, Tracey WD.

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McCarthy A, Deulio A, Martin ET, Upadhyay M, Rangan P.

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Tanaka Y, Yasugi T, Nagayama M, Sato M, Ei SI.

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Yanku Y, Bitman-Lotan E, Zohar Y, Kurant E, Zilke N, Eilers M, Orian A.

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Homeodomain-interacting protein kinase promotes tumorigenesis and metastatic cell behavior.

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PMID: 30247505

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Huang J, Wang H.

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PMID: 30245208

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Differential Requirement for Translation Initiation Factor Pathways during Ecdysone-Dependent Neuronal Remodeling in Drosophila.

Rode S, Ohm H, Anhäuser L, Wagner M, Rosing M, Deng X, Sin O, Leidel SA, Storkebaum E, Rentmeister A, Zhu S, Rumpf S.

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PMID: 30157424

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Pham MN, Schuweiler M, Ismat A.

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The Drosophila CCR4-NOT complex is required for cholesterol homeostasis and steroid hormone synthesis.

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Ma Z, Li P, Hu X, Song H.

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The Proton-Coupled Monocarboxylate Transporter Hermes Is Necessary for Autophagy during Cell Death.

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A Neuronal Relay Mediates a Nutrient Responsive Gut/Fat Body Axis Regulating Energy Homeostasis in Adult *Drosophila*.

Scopelliti A, Bauer C, Yu Y, Zhang T, Kruspig B, Murphy DJ, Vidal M, Maddocks ODK, Cordero JB.

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Raich N, Mahmoudi S, Emre D, Karess RE.

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PMID: 30333236

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A Feedforward Mechanism Mediated by Mechanosensitive Ion Channel PIEZO1 and Tissue Mechanics Promotes Glioma Aggression.

Chen X, Wanggou S, Bodalia A, Zhu M, Dong W, Fan JJ, Yin WC, Min HK, Hu M, Draghici D, Dou W, Li F, Coutinho FJ, Whetstone H, Kushida MM, Dirks PB, Song Y, Hui CC, Sun Y, Wang LY, Li X, Huang X.

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PMID: 30344046

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Shep interacts with posttranscriptional regulators to control dendrite morphogenesis in sensory neurons.

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PMID: 30359736

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Pesch YY, Hesse R, Ali T, Behr M.

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PMID: 30367846

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Iatsenko I, Boquete JP, Lemaitre B.

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Fedorka KM, Kutch IC, Collins L, Musto E.

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PMID: 27530304

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Bernardoni R, Giordani G, Signorino E, Monticelli S, Messa F, Pradotto M, Rosso V, Bracco E, Giangrande A, Perini G, Saglio G, Cilloni D.

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Nat Commun. 2018 Nov 7;9(1):4675. doi: 10.1038/s41467-018-07114-z.

PMID: 30405122

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***Drosophila* small ovary gene is required for transposon silencing and heterochromatin organisation and ensures germline stem cell maintenance and differentiation.**

Jankovics F, Bence M, Sinka R, Faragó A, Bodai L, Pettkó-Szandtner A, Ibrahim K, Takács Z, Szarka-Kovács AB, Erdélyi M.

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The indispensable contribution of s38 protein to ovarian-eggshell morphogenesis in *Drosophila melanogaster*.

Velentzas AD, Velentzas PD, Katarachia SA, Anagnostopoulos AK, Sagioglou NE, Thanou EV, Tsioka MM, Mpakou VE, Kollia Z, Gavriil VE, Papassideri IS, Tsangaris GT, Cefalas AC, Sarantopoulou E, Stravopodis DJ.

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Kaya-Çopur A, Schnorrer F.

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Proteomic mapping of differentially vulnerable pre-synaptic populations identifies regulators of neuronal stability in vivo.

Llavero Hurtado M, Fuller HR, Wong AMS, Eaton SL, Gillingwater TH, Pennetta G, Cooper JD, Wishart TM.

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A Hippo-like Signaling Pathway Controls Tracheal Morphogenesis in Drosophila melanogaster.

Poon CLC, Liu W, Song Y, Gomez M, Kulaberoglu Y, Zhang X, Xu W, Veraksa A, Hergovich A, Ghabrial A, Harvey KF.

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Salazar AM, Resnik-Docampo M, Ulgherait M, Clark RI, Shirasu-Hiza M, Jones DL, Walker DW.

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Setiawan L, Pan X, Woods AL, O'Connor MB, Hariharan IK.

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Miyashita T, Kikuchi E, Horiuchi J, Saitoe M.

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PMID: 30517860

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Phan A, Thomas CI, Chakraborty M, Berry JA, Kamasawa N, Davis RL.

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Drosophila Choline transporter non-canonically regulates pupal eclosion and NMJ integrity through a neuronal subset of mushroom body.

Hamid R, Hajirnis N, Kushwaha S, Saleem S, Kumar V, Mishra RK.

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PMID: 30529058

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Chung HW, Petersen EN, Cabanos C, Murphy KR, Pavel MA, Hansen AS, Ja WW, Hansen SB.

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Wakisaka KT, Tanaka R, Hirashima T, Muraoka Y, Azuma Y, Yoshida H, Tokuda T, Asada S, Suda K, Ichianagi K, Ohno S, Itoh M, Yamaguchi M.

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