

**\*\*Genome-wide RNAi screen identifies networks involved in intestinal stem cell regulation in Drosophila.**

Zeng X, Han L, Singh SR, Liu H, Neumüller RA, Yan D, Hu Y, Liu Y, Liu W, Lin X, Hou SX.

Cell Rep. 2015 Feb 24;10(7):1226-38. doi: 10.1016/j.celrep.2015.01.051. Epub 2015 Feb 19.

PMID: 25704823

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Walkinshaw E, Gai Y, Farkas C, Richter D, Nicholas E, Keleman K, Davis RL.

Genetics. 2015 Apr;199(4):1173-82. doi: 10.1534/genetics.114.173575. Epub 2015 Feb 2.

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Butzlaff M, Hannan SB, Karsten P, Lenz S, Ng J, Voßfeldt H, Prüßing K, Pflanz R, Schulz JB, Rasse T, Voigt A. Hum Mol Genet. 2015 Mar 20. pii: ddv107. [Epub ahead of print]

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**\*\*The Ret receptor regulates sensory neuron dendrite growth and integrin mediated adhesion.**

Soba P, Han C, Zheng Y, Perea D, Miguel-Aliaga I, Jan LY, Jan YN.

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PMID: 25764303

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Srivastava A, Dong Q.

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**Drosophila S6 Kinase like inhibits neuromuscular junction growth by downregulating the BMP receptor thickveins.**

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PMID: 25748449

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Lengil T, Gancz D, Gilboa L.

Development. 2015 Mar 1;142(5):883-92. doi: 10.1242/dev.113902. Epub 2015 Jan 29.

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**Ect2/Pbl Acts via Rho and Polarity Proteins to Direct the Assembly of an Isotropic Actomyosin Cortex upon Mitotic Entry.**

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Tavares L, Pereira E, Correia A, Santos MA, Amaral N, Martins T, Relvas JB, Pereira PS.

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Mukai M, Hira S, Nakamura K, Nakamura S, Kimura H, Sato M, Kobayashi S.

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PMID: 25572421

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PMID: 2569542

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**Sex peptide receptor is required for the release of stored sperm by mated *Drosophila melanogaster* females.**

Avila FW, Mattei AL, Wolfner MF.

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***Drosophila* small heat shock protein CryAB ensures structural integrity of developing muscles, and proper muscle and heart performance.**

Wójtowicz I, Jabłońska J, Zmojdzian M, Taghli-Lamalle O, Renaud Y, Junion G, Daczewska M, Huelsmann S, Jagla K, Jagla T.

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PMID: 25753035

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**Ras/MEK/MAPK-mediated regulation of heparin sulphate proteoglycans promotes retinal fate in the *Drosophila* eye-antennal disc.**

Fernandes VM, Pradhan-Sundt T, Blaquiére JA, Verheyen EM.

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Jean S, Cox S, Nassari S, Kiger AA.

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PMID: 25858587

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**Delayed dopamine signaling of energy level builds appetitive long-term memory in Drosophila.**

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**Compartmentalized zinc deficiency and toxicities caused by ZnT and Zip gene over expression result in specific phenotypes in Drosophila.**

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**Age-related change in  $\gamma$ H2AX of Drosophila muscle: its significance as a marker for muscle damage and longevity.**

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PMID: 25618341

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Nagy V, Cole T, Van Campenhout C, Khoung TM, Leung C, Vermeiren S, Novatchkova M, Wenzel D, Cikes D, Polyansky AA, Kozieradzki I, Meixner A, Bellefroid EJ, Neely GG, Penninger JM.

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PMID: 25855961

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PMID: 25484200

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Sarikaya DP, Extavour CG.

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PMID: 25643260

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**Multiple strategies of oxygen supply in *Drosophila* malignancies identify tracheogenesis as a novel cancer hallmark.**

Grifoni D, Sollazzo M, Fontana E, Froidi F, Pession A.

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**Hindsight regulates photoreceptor axon targeting through transcriptional control of jitterbug/Filamin and multiple genes involved in axon guidance in Drosophila.**

Oliva C, Molina-Fernandez C, Maureira M, Candia N, López E, Hassan B, Aerts S, Cánovas J, Olgúin P, Sierralta J.

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Chen WY, Shih HT, Liu KY, Shih ZS, Chen LK, Tsai TH, Chen MJ, Liu H, Tan BC, Chen CY, Lee HH, Loppin B, Ait-Ahmed O, Wu JT.

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Leitão AB, Sucena É.

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Frickenhaus M, Wagner M, Mallik M, Catinozzi M, Storkebaum E.

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Reilly E, Changela N, Naryshkina T, Deshpande G, Steward R.

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