

2021

July 2020 - June 2021

1. Ahmed, S. M. H., Maldera, J. A., Kronic, D., Paiva-Silva, G. O., Pénalva, C., Teleman, A. A., & Edgar, B. A. (2020). Fitness trade-offs incurred by ovary-to-gut steroid signalling in *Drosophila*. *Nature*, *584*(7821), Article 7821. <https://doi.org/10.1038/s41586-020-2462-y>
2. Auer, T. O., Khallaf, M. A., Silbering, A. F., Zappia, G., Ellis, K., Álvarez-Ocaña, R., Arguello, J. R., Hansson, B. S., Jefferis, G. S. X. E., Caron, S. J. C., Knaden, M., & Benton, R. (2020). Olfactory receptor and circuit evolution promote host specialization. *Nature*, *579*(7799), Article 7799. <https://doi.org/10.1038/s41586-020-2073-7>
3. Bell, L. A., Wallis, G. J., & Wilcox, K. S. (2020). Reactivity and increased proliferation of NG2 cells following central nervous system infection with Theiler's murine encephalomyelitis virus. *Journal of Neuroinflammation*, *17*(1), 369. <https://doi.org/10.1186/s12974-020-02043-5>
4. Bhatlekar, S., Manne, B. K., Basak, I., Edelstein, L. C., Tugolukova, E., Stoller, M. L., Cody, M. J., Morley, S. C., Nagalla, S., Weyrich, A. S., Rowley, J. W., O'Connell, R. M., Rondina, M. T., Campbell, R. A., & Bray, P. F. (2020). miR-125a-5p regulates megakaryocyte proplatelet formation via the actin-bundling protein L-plastin. *Blood*, *136*(15), 1760-1772. <https://doi.org/10.1182/blood.2020005230>
5. Bou-Ghannam, S., Kim, K., Grainger, D. W., & Okano, T. (2021). 3D cell sheet structure augments mesenchymal stem cell cytokine production. *Scientific Reports*, *11*(1), Article 1. <https://doi.org/10.1038/s41598-021-87571-7>
6. Davis, B., Erickson, S., Wojtalewicz, S., Simpson, A., Metcalf, C., Sant, H., Shea, J., Gale, B., & Agarwal, J. (2020). Entrapping bupivacaine-loaded emulsions in a crosslinked-hydrogel increases anesthetic effect and duration in a rat sciatic nerve block model. *International Journal of Pharmaceutics*, *588*, 119703. <https://doi.org/10.1016/j.ijpharm.2020.119703>
7. de Hart, N. M. M. P., Mahmassani, Z. S., Reidy, P. T., Kelley, J. J., McKenzie, A. I., Petrocelli, J. J., Bridge, M. J., Baird, L. M., Bastian, E. D., Ward, L. S., Howard, M. T., & Drummond, M. J. (2021). Acute Effects of Cheddar Cheese Consumption on Circulating Amino Acids and Human Skeletal Muscle. *Nutrients*, *13*(2), Article 2. <https://doi.org/10.3390/nu13020614>
8. Derksen, A., Shih, H.-Y., Forget, D., Darbelli, L., Tran, L. T., Poitras, C., Guerrero, K., Tharun, S., Alkuraya, F. S., Kurdi, W. I., Nguyen, C.-T. E., Laberge, A.-M., Si, Y., Gauthier, M.-S., Bonkowsky, J. L., Coulombe, B., & Bernard, G. (2021). Variants in LSM7 impair LSM complexes assembly, neurodevelopment in zebrafish and may be associated with an ultra-rare neurological disease. *Human Genetics and Genomics Advances*, *2*(3), 100034.

<https://doi.org/10.1016/j.xhgg.2021.100034>

9. Dong, Z. M., Lin, E., Wechsler, M. E., Weller, P. F., Klion, A. D., Bochner, B. S., Delker, D. A., Hazel, M. W., Fairfax, K., Khoury, P., Akuthota, P., Merkel, P. A., Dyer, A.-M., Langford, C., Specks, U., Gleich, G. J., Chinchilli, V. M., Raby, B., Yandell, M., & Clayton, F. (2020). Pulmonary Eosinophilic Granulomatosis with Polyangiitis Has IgG4 Plasma Cells and Immunoregulatory Features. *The American Journal of Pathology*, *190*(7), 1438–1448.
<https://doi.org/10.1016/j.ajpath.2020.03.005>
10. Ferrara, P. J., Rong, X., Maschek, J. A., Verkerke, A. R. P., Siripoksup, P., Song, H., Green, T. D., Krishnan, K. C., Johnson, J. M., Turk, J., Houmard, J. A., Lusic, A. J., Drummond, M. J., McClung, J. M., Cox, J. E., Shaikh, S. R., Tontonoz, P., Holland, W. L., & Funai, K. (2021). Lysophospholipid acylation modulates plasma membrane lipid organization and insulin sensitivity in skeletal muscle. *The Journal of Clinical Investigation*, *131*(8).
<https://doi.org/10.1172/JCI135963>
11. Ferrari, L. F., Pei, J., Zickella, M., Rey, C., Zickella, J., Ramirez, A., & Taylor, N. E. (2021). D2 Receptors in the Periaqueductal Gray/Dorsal Raphe Modulate Peripheral Inflammatory Hyperalgesia via the Rostral Ventral Medulla. *Neuroscience*, *463*, 159–173.
<https://doi.org/10.1016/j.neuroscience.2021.03.035>
12. Grow, E. J., Weaver, B. D., Smith, C. M., Guo, J., Stein, P., Shadle, S. C., Hendrickson, P. G., Johnson, N. E., Butterfield, R. J., Menafrá, R., Kloet, S. L., van der Maarel, S. M., Williams, C. J., & Cairns, B. R. (2021). P53 convergently activates Dux/DUX4 in embryonic stem cells and in facioscapulohumeral muscular dystrophy cell models. *Nature Genetics*, *53*(8), Article 8. <https://doi.org/10.1038/s41588-021-00893-0>
13. Guillen, K. P., Fujita, M., Butterfield, A. J., Scherer, S. D., Bailey, M. H., Chu, Z., DeRose, Y. S., Zhao, L., Cortes-Sanchez, E., Yang, C.-H., Toner, J., Wang, G., Qiao, Y., Huang, X., Greenland, J. A., Vahrenkamp, J. M., Lum, D. H., Factor, R. E., Nelson, E. W., ... Welm, A. L. (2021). *A breast cancer patient-derived xenograft and organoid platform for drug discovery and precision oncology* [Preprint]. *Cancer Biology*.
<https://doi.org/10.1101/2021.02.28.433268>
14. Hoffman, L. M., Smith, M. A., Jensen, C. C., Yoshigi, M., Blankman, E., Ullman, K. S., & Beckerle, M. C. (2020). Mechanical stress triggers nuclear remodeling and the formation of transmembrane actin nuclear lines with associated nuclear pore complexes. *Molecular Biology of the Cell*, *31*(16), 1774–1787. <https://doi.org/10.1091/mbc.E19-01-0027>
15. Keefe, M. D., Soderholm, H. E., Shih, H.-Y., Stevenson, T. J., Glaittli, K. A., Bowles, D. M., Scholl, E., Colby, S., Merchant, S., Hsu, E. W., & Bonkowsky, J. L. (2020). Vanishing white matter disease expression of truncated EIF2B5 activates induced stress response. *eLife*, *9*, e56319. <https://doi.org/10.7554/eLife.56319>
16. *Neutralizing mitochondrial ROS does not rescue muscle atrophy induced by hindlimb unloading in female mice* | *Journal of Applied Physiology*. (n.d.). Retrieved September 22, 2022, from <https://journals.physiology.org/doi/full/10.1152/jappphysiol.00456.2019>
17. Pradeep, S., Tasnim, T., Zhang, H., & A. Zangle, T. (2021). Simultaneous measurement of neurite and neural body mass accumulation via quantitative phase imaging. *Analyst*, *146* (4), 1361–1368. <https://doi.org/10.1039/D0AN01961E>

18. Sejling, A.-S., Wang, P., Zhu, W., Farhat, R., Knight, N., Appadurai, D., & Chan, O. (2021). Repeated Activation of Noradrenergic Receptors in the Ventromedial Hypothalamus Suppresses the Response to Hypoglycemia. *Endocrinology*, *162*(3), bqaa241.
<https://doi.org/10.1210/endocr/bqaa241>
 19. Wang, Y., Chiola, S., Yang, G., Russell, C., Armstrong, C. J., Wu, Y., Spampanato, J., Tarboton, P., Chang, A. N., Harmin, D. A., Vezzoli, E., Besusso, D., Cui, J., Cattaneo, E., Kubanek, J., & Shcheglovitov, A. (2021). *Modeling autism-associated SHANK3 deficiency using human cortico-striatal organoids generated from single neural rosettes*[Preprint]. Neuroscience. <https://doi.org/10.1101/2021.01.25.428022>
-

Revision #3

Created 20 November 2023 20:19:15

Updated 20 November 2023 20:29:27