VILBER Smart Imaging

Scintica

Newton 7.0 In Vivo Optical Imaging

References

Updated 01/12/2026

1. Almeida, H., Cristelo, C., Viegas, J., Traverso, G., Sarmento, B., & das Neves, J. (2025). Gastrointestinal distribution of engineered biodegradable urease-powered nanomotors. Acta Biomaterialia, 207, 546–559. https://doi.org/10.1016/J.ACTBIO.2025.10.004

2. Bento, C. M., Gomes, M. S., & Silva, T. (2025). The use of double-reporter Mycobacterium abscessus strains to improve anti-biofilm drug screening. Journal of Microbiological Methods, 238, 107290. https://doi.org/10.1016/J.MIMET.2025.107290

3. Dybtved, M. S., Petersen, M. E., Firdausy, A. F., Johansen, M. I., Faddy, E., Gadeberg, C., Østergaard, L., Jørgensen, N. P., Glud, L. N., Søgaard, A. B., Meyer, R. L., & Zelikin, A. N. (2025). Broad-Spectrum Antimicrobial Treatment Targeted Through Drug Conjugation to Vancomycin. Advanced Healthcare Materials, e03932. https://doi.org/10.1002/ADHM.202503932

4. Ektesabi, A. M., Barbosa-Silva, M. C., Tsoporis, J. N., McWhirter, S., Vaswani, C. M., Mouloud, Y., Zettle, L. W. C., Ahmed, A., Delgado-Olguin, P., Batah, S. S., Desjardins, J.-F., Gupta, S., Tan, G. W., Pavelick, J. E., Wang, Y., Fabro, A. T., Billia, P., Kavantzas, N., Marshall, J. C., … Santos, C. C. dos. (2025). Lipid Nanoparticle Delivery of Mesenchymal Stromal Cell-Derived microRNA 187-3p as a First-in-Class Therapy for Myocardial Dysfunction in Sepsis. BioRxiv, 2025.09.09.674991. https://doi.org/10.1101/2025.09.09.674991

5. Fernandes, L. D. L. G., Orsi, B., Moreira, J. dos R., Oliveira, P. P. do A., Ueda, J. N. M., Demarco, D., Andrade, S. C. da S., Rothan, C., Rossi, M., & Freschi, L. (2025). Shedding light on cuticle formation: phytochrome B and downstream signaling events controlling cuticle deposition in tomato fruits. BioRxiv, 2025.09.11.675555. https://doi.org/10.1101/2025.09.11.675555

6. Gonzalez, J. D., Mahammad, S., Beraki, S., Rodriguez-Frandsen, A., Sheik, N., Kathirvel, E., Binette, F., Weinstein, D., Jewett, A., & Chen, L. (2025). Modified Hematopoietic Stem Cell-Derived Dendritic Cell Therapy Retained Tumor-Inhibitory Function and Led to Regression of Primary and Metastatic Pancreatic Tumors in Humanized Mouse Models. Vaccines, 13(11). https://doi.org/10.3390/VACCINES13111131/S1

7. Hao, X., Zhao, X., Xie, Z., Jin, X., Li, S., Wu, S., Huang, L., Tian, L., & Li, D. (2025). The rice cation/calcium exchanger OsCCX2 is involved in calcium signal clearance and osmotic tolerance. Journal of Integrative Plant Biology, 67(11), 2897–2911. https://doi.org/10.1111/JIPB.70029

8. Hong, J., Tan, P., Yuan, Y., Lin, Z., Shan, W., Liu, Y., & Zhang, H. (2025). The role of cardiomyocytic FOXP3 and extracellular vesicle-mediated delivery of FOXP3 into cardiomyocytes for treating

pathological cardiac hypertrophy. Acta Pharmaceutica Sinica B. https://doi.org/10.1016/J.APSB.2025.11.024

9. Jan, H.-H., Kong, F., MacLellan, M. P., Yang, L., Dutta, B., & Kvitko, B. H. (2025). The AltR transcription factor responds to plant thiosulfinates to regulate gene expression in a bacterial pathogen of onion. BioRxiv, 2025.11.19.689302. https://doi.org/10.1101/2025.11.19.689302

10. Kaczmarek, S., Jo, D., Ghaziasgar, S., Marr, B., Berton, S., Wang, L., Arbabi Ghahroudi, M., Jang, M., Visram, A., McComb, S., & Lee, S. H. (2026). Anti-BCMA-CAR-IL15 natural killer cells prevent multiple myeloma growth in the bone marrow but allow subsequent emergence of extramedullary disease. Cancer Letters, 639, 218235. https://doi.org/10.1016/J.CANLET.2025.218235

11. Koeken, I., Walravens, M., Fernández-Acosta, R., Van Hoyweghen, R., Vintea, I., Kong, Y., Golba, B., Dehairs, J., Talebi, A., Swinnen, J. V., Durinck, K., Mañas, A., Toyokuni, S., Menschaert, G., Fedorova, M., De Geest, B. G., Hassannia, B., & Vanden Berghe, T. (2025). Dual lipid modulation overcomes ferroptosis resistance in high-risk neuroblastoma. Cell Death & Differentiation 2025, 1–11. https://doi.org/10.1038/s41418-025-01623-3

12. Korkmaz, E., Beytur, A., Erden, Y., Tanbek, K., Tekin, Ç., & Tekin, S. (2025). Myrtenal Ameliorates Ischemic Brain Injury Diabetic and Non-Diabetic Rats. Neurochemical Research 2025 51:1, 51(1), 15-. https://doi.org/10.1007/S11064-025-04629-Y

13. Li, X. min, Wang, H. lin, Wei, L. yi, Li, G., Qu, Y., & Liu, D. qiu. (2025). Integrated Analysis of GC–MS-Based Metabolomics and Proteomics Reveals the Importance of Volatile Metabolite Stigmasterol in the Defence Response of Panax notoginseng Against Root Rot. Molecular Plant Pathology, 26(9), e70144. https://doi.org/10.1111/MPP.70144;CTYPE:STRING:JOURNAL

14. Li, Y., Liang, J., Zhang, Z., Rotstein, O., Nakane, M., Wybenga-Groot, L., Khang, J., Khine, A. A., Xu, Y., Li, Y., Orser, B. A., Laffey, J. G., Matthay, M., Slutsky, A. S., Mubareka, S., & Zhang, H. (2025). Mesenchymal stromal cells engineered with ACE2 for treatment of receptor-mediated viral lung injury. Molecular Therapy, 0(0). https://doi.org/10.1016/j.ymthe.2025.11.020

15. Li, Y., Wu, Y., Zheng, Z., Wu, Y., Zhang, Y., Zhang, J., Quan, F., Zhao, W., Xu, R., Li, Y., Gao, H., & Zhang, K. (2025). Renal clearable CRISPR nanosensor targeting mitochondrial DNA mutation for noninvasive monitoring of tumor progression and metastasis. Science Advances, 11(47), eadz4594. https://doi.org/10.1126/SCIADV.ADZ4594;ISSUE:ISSUE:DOI

16. Luo, Y., Shao, C., Xu, R., Qiu, S., Hu, Q., Guo, J., Peng, Y., Tang, H., Zhao, Y., Huang, J., Liu, Z., & Shen, C. (2025). Functional Analysis of CsHsf10 in Drought Stress Response in Camellia sinensis. Horticulturae, 11(4). https://doi.org/10.3390/HORTICULTURAE11040373/S1

17. Sabatino, V., Fleisch, S., Tang, C., Müller, F. M., Labão-Almeida, C., Khaw, W. T., Hogan, S., Hicks, D. R., Fontes, M., Coelho, A. R., Yang, W., Sarkar, I., Shome, D., Vidal, A. V., Cabeza-Cabrerizo, M., Rohm, T., Reijmers, R. M., Kaymak, D., Gerster, F., … Bernardes, G. J. L. (2025). Bifunctional Phagocytic Synapse Enhancers for Cancer Immunotherapy. BioRxiv, 2025.03.13.642658. https://doi.org/10.1101/2025.03.13.642658

18. Sarkar, Md. M., Gonsalves, N., Davarzani, A., Mitchell, E., Singh, A. M., Karumbaiah, L., & Stice, S. L. (2025). Disrupting Akt-Wnt/β-catenin signaling suppresses glioblastoma stem cell growth and tumor progression in immunocompetent mice. BioRxiv, 2025.07.25.666376. https://doi.org/10.1101/2025.07.25.666376

19. Shimonov, L., Benafsha, C., Harel, S., Yegodayev, K. M., Hadad, U., Goldbart, R., Traitel, T., Krieger, Y., Elkabets, M., & Kost, J. (2025). Advancing Skin Rejuvenation Through Ultrasound-Enhanced Non-Invasive Delivery of Hyaluronic Acid Nanoparticles. Nanomaterials, 15(22). https://doi.org/10.3390/NANO15221739/S1

20. Srivastava, S., Powers, J. J., Mehta, J. H., Marzban, S., Nozaki, R., Karanam, L. S., Torrez, J., Bharambe, H. S., Faraji, F., Chaudhary, R., Bordignon, P., Giliberti, J., Slebos, R. J. C., Johnson, J. O., Gantenbee, C., Song, X., Cassano, M., Guevara-Patino, J. A., Nguyen, D. T., … Amelio, A. L. (2025). Collagen remodeling promotes a GPCR-mediated mechanosensory immune checkpoint in ADGRG1+ CD8+ T cells and serves as a spatial biomarker of response to immunotherapy. BioRxiv, 2025.12.19.695209. https://doi.org/10.64898/2025.12.19.695209

21. Sun, H., Tong, B., Ren, D., Hu, A., Li, H., Zhang, Y., Liu, S., Duan, X., Zhang, Z., Liu, W., Yang, H., Chen, J., Jian, T., Zheng, H., Ke, B., Zeng, H., Ke, C., Peng, X., Liu, Y., … Li, Y. (2025). Single-dose infusion of engineered viral receptor binding domain confers rapid and durable protection against viral infection. Communications Biology 2025 8:1, 8(1), 1279-. https://doi.org/10.1038/s42003-025-08704-6

22. Vozelj, A., Povalej, T. M., Stare, K., Žnidarič, M. T., Bačnik, K., Levak, V., Gutiérrez-Aguirre, I., Podobnik, M., Gruden, K., Coll, A., & Lukan, T. (2025). Functionality of potato virus Y coat protein in cell-to-cell movement dynamics is defined by its N-terminal region. Journal of Virology. https://doi.org/10.1128/JVI.01400-25

23. Wang, W., & Kawauchi, D. (2025a). In Vivo Model of Sonic Hedgehog Medulloblastoma by Postnatal Electroporation. Neuromethods, 226, 137–144. https://doi.org/10.1007/978-1-0716-4754-7_11

24. Wang, W., & Kawauchi, D. (2025b). In Vivo Mouse Models of Myc-Driven Medulloblastoma. Neuromethods, 226, 125–135. https://doi.org/10.1007/978-1-0716-4754-7_10

25. Zhang, K., Zhou, J., Zhang, Y., Liu, J., Zhou, W., Xu, T., Anwar, F., Pang, M., Ming, D., Liu, X., & Jian, X. (2025). LIFU Accelerates CSF Circulation and Alleviates Motor-Cognitive Dysfunction in Rat with

Hydrocephalus. IEEE International Ultrasonics Symposium, IUS. https://doi.org/10.1109/IUS62464.2025.11201450

26. Zheng, H., Li, Y. Q., Lu, X., Zhang, J., Yu, S. S., Deng, X. F., Liu, X. B., Li, M. Y., Cao, Y., Chen, Q., Qiu, Y., Liu, Q. X., Zhou, D., & Dai, J. G. (2025). Senescent SPP1+ macrophages remodel the tumor microenvironment and promote the progression of early-stage lung adenocarcinoma featured with mixed ground glass nodule. Molecular Cancer 2025 24:1, 24(1), 298-. https://doi.org/10.1186/S12943-025-02497-2

27. Zuo, H., Zhao, X., Peng, A., Huang, F., Li, P., Huang, R., Lin, J., Yu, S., Li, J., Wang, K., Li, S., Liu, Z., & Zhao, J. (2025). Multiple Factors Regulate Anthocyanin Biosynthesis in Purple-Leaf Tea Varieties in CsMYB75-Dependent and Independent Mechanisms. Plant, Cell and Environment. https://doi.org/10.1111/PCE.70345;PAGE:STRING:ARTICLE/CHAPTER

28. An, J., Li, H., Wen, W., Liu, G., Huang, Z., Zhao, X., & Liang, G. (2025). Dual inhibition of GPX4 and LCN2 via miR-214–3p loaded iron oxide nanoparticles for enhancing ferroptosis in liver cancer. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, *719*, 137049. https://doi.org/10.1016/J.COLSURFA.2025.137049

29. Bimbo, J. F., van Diest, E., Murphy, D. E., Ashoti, A., Evers, M. J. W., Narayanavari, S. A., Vaz, D. P., Rijssemus, H., Zotou, C., Saber, N., Lei, Z., Mayrhofer, P., Geerlings, M., Schiffelers, R., & Lubelski, J. (2025). T cell-specific non-viral DNA delivery and in vivo CAR-T generation using targeted lipid nanoparticles. *Journal for Immunotherapy of Cancer*, *13*(7), e011759. https://doi.org/10.1136/JITC-2025-011759

30. Chen, X. hua, Li, X. min, Deng, J., Li, J. mei, & Liu, D. qiu. (2025). The inhibition of endo-β-1,4-glucanase is required for the resistance of Lilium regale Wilson to Fusarium wilt. *International Journal of Biological Macromolecules*, *307*, 142249. https://doi.org/10.1016/J.IJBIOMAC.2025.142249

31. Demei, N., Fang, L., Linqiang, G., Huailong, Z., Naibin, L., Lu, Z., Yanchao, Y., Chunying, L., Shupeng, G., & Yuxi, Z. (2025). MADS-domain transcription factor AGAMOUS LIKE-9 participates in the gibberellin pathway to promote bud dormancy release of tree peony. *Horticulture Research*, *12*(5). https://doi.org/10.1093/HR/UHAF043

32. Dong, M., Xue, C., Yang, X., Liu, H., Wang, H., Liao, Y., Yang, Y., Yang, X., & Wang, Q. (2025). Self-Propelled Bacteria-Mediated In Situ Biosynthesis of MnS Nanoparticles for Remodeling Tumor Microenvironment to Amplify cGAS-STING Pathway for Antitumor Immunity. *Advanced Functional Materials*, 2503733. https://doi.org/10.1002/ADFM.202503733

33. Feng, W., Zhou, Y., Duan, H., Zhou, W., Zhang, X., Liu, Y., Zhang, H., Wei, J., Wan, T., Liu, Y., Xu, W., Yang, Q., Qu, J., Zhang, Y., Li, W., Lu, Y., Fu, F., & Yu, H. (2025). Maize ZmBES1/BZR1-4 recruits

ZmTLP5 to regulate drought tolerance and seed development by regulating ZmPum6 and ZmMBP1. *The Plant Journal*, *122*(1), e70162. https://doi.org/10.1111/TPJ.70162

34. He, Y., Jin, Z., Wang, Y. F., Wu, C., He, X., Weng, W., Cai, X., & Cheng, K. (2025). Multifunctional Double-Loaded Oral Nanoplatform for Computed Tomography Imaging-Guided and Integrated Treatment of Inflammatory Bowel Disease. *ACS Nano*, *19*(15), 14893–14913. https://doi.org/10.1021/ACSNANO.4C18865/SUPPL_FILE/NN4C18865_SI_001.PDF

35. Huang, Q., Han, X., Li, J., Li, X., Chen, X., Hou, J., Yu, S., Zhou, S., Gong, G., & Shu, H. (2025). Intranasal Administration of Acetaminophen-Loaded Poly(lactic-co-glycolic acid) Nanoparticles Increases Pain Threshold in Mice Rapidly Entering High Altitudes. *Pharmaceutics 2025, Vol. 17, Page 341*, *17*(3), 341. https://doi.org/10.3390/PHARMACEUTICS17030341

36. Huang, X., An, Z., Zhao, T., Xie, N., Li, J., Zhu, M., Zhao, J., Liu, Z., & Wang, K. (2025). CsMYB219 and CsMYB196 influence epigallocatechin gallate biosynthesis in tea plant (Camellia sinensis) by regulating CsSCPL1A gene expression. *The Plant Journal*, *123*(1), e70341. https://doi.org/10.1111/TPJ.70341

37. Kim, H. J., Lee, S. H., Park, Y. S., Seo, D. W., Seo, K. W., Kim, D. K., Jang, Y. H., Lim, J. H., & Cho, Y. E. (2025). Utility of edible plant-derived exosome-like nanovesicles as a novel delivery platform for vaccine antigen delivery. *Vaccine*, *52*, 126902. https://doi.org/10.1016/J.VACCINE.2025.126902

38. Kok, N., Ozkazanc, D., van Vliet, A. A., Steenmans, D., Singh, S. P., Sutlu, T., Georgoudaki, A. M., Raimo, M., Spanholtz, J., & Duru, A. D. (2025). CD28 signaling domain boosts persistence and in vivo anti-tumor activity of stem cell-derived CD19-CAR-NK cells. *IScience*, *28*(6). https://doi.org/10.1016/J.ISCI.2025.112548/ATTACHMENT/E64176FD-88F1-4A76-BF36-2753D9A117F3/MMC1.PDF

39. Kośnik, W., Sikorska, H., Kiciak, A., & Ciach, T. (2025). Biodistribution of Polyaldehydedextran Nanoparticle-Encapsulated Epirubicin in Ovarian Tumor-Bearing Mice via Optical Imaging. *International Journal of Molecular Sciences*, *26*(3), 970. https://doi.org/10.3390/IJMS26030970/S1

40. Li, J., Zhan, S., Yang, W., Zhang, H., Ma, X., Chen, F., Li, A., Tong, P., Jiang, F., Cao, Z., Delahunty, I., Wang, J., Wu, Y., Liu, Z., Li, Z., Teng, Y., Xu, L., & Xie, J. (2025). Radiation-induced ferroptosis via liposomal delivery of 7-Dehydrocholesterol. *Journal of Nanobiotechnology* , *23*(1), 1–17. https://doi.org/10.1186/S12951-025-03303-3/FIGURES/6

41. Li, L., Tian, H., Wu, L., Chen, N., Zhang, Q., Chen, L., Zhu, K., Lin, L., Chen, X., He, L., Liu, M., Zhao, W., Su, Y., Yan, J., Zhao, X., Zhou, X., Zhou, Z., & Zeng, W. (2025). Artificial biomarker-based feedback-regulated personalized and precise thrombolysis with lower hemorrhagic risk. *Science Advances* , *11*(3), 377. https://doi.org/10.1126/SCIADV.ADR0377/SUPPL_FILE/SCIADV.ADR0377_SM.PDF

42. Li, X., Hua, D., Wu, D., Hong, W., Kang, Y., Tang, L., Yang, Q., Wang, X., Li, B., Li, R., Chen, Z., & Cui, G. (2025). Oral Combined Probiotics Clostridium butyricum and Akkermansia muciniphila Inhibits the Progression of 4T1 Breast Cancer by Activating Bcl-2/Bax Pathway. *Cancer Medicine*, *14*(11), e70987. https://doi.org/10.1002/CAM4.70987

43. Liu, R., Zhao, E., Wang, Y., Zuo, H., Li, L., Xia, Q., & He, H. (2025). Silk-engineered bioactive nanoparticles for targeted alleviation of acute inflammatory disease via macrophage reprogramming. *Journal of Nanobiotechnology* , *23*(1), 1–21. https://doi.org/10.1186/S12951-024-03055-6/FIGURES/8

44. Ma, Y., Wang, L., Cao, Z., Wang, H., Wang, F., & Zhu, W. (2025). SlMYC2 Mediates the JA Pathway by Responding to Chlorocholine Chloride in the Regulation of Resistance to TYLCD. *Plants*, *14*(9), 1353. https://doi.org/10.3390/PLANTS14091353/S1

45. Pilati, D., Agyei, E. K., Elkhashab, M., Fuchs, E., Nielsen, I. H., Bjerg, T. W., Anthi, A. K., Jiménez-Reinoso, A., Iversen, M. B., Pohl, L., Narita, R., Frago, S., Jakobsen, M. R., Andersen, J. T., Degn, S. E., Paludan, S. R., Alvarez-Vallina, L., & Howard, K. A. (2025). Exploiting FcRn engagement of an albumin-CpG oligonucleotide covalent conjugate for potent TLR9 immune induction. *Journal of Biological Chemistry*, *301*(6). https://doi.org/10.1016/J.JBC.2025.108508/ASSET/DE6CFC36-9D1B-4519-9F97-FC3C8E0CAE1A/MAIN.ASSETS/FIGS5.JPG

46. Song, D.-G., Pak, S., Shin, D.-C., Soedono, S., Cho, K. W., Park, Y., Moon, S., Jang, S., Kim, S., Han, S.-W., Lee, K., Sohn, J.-H., & Lee, C. H. (2025). Phosphodiesterase 5 Inhibitor Improves Insulin Sensitivity by Regulating Adipose Tissue Macrophage Polarization in Diet-Induced Obese Mice. *Diabetes & Metabolism Journal*. https://doi.org/10.4093/DMJ.2024.0308

47. Wang, J., Shan, Q., Yuan, Q., Pan, L., Wang, M., Zhao, P., Yu, F., Dai, L., Xie, L., Wang, Z., Dai, X., Chen, L., Zou, X., Xiong, C., Zhu, F., & Liu, F. (2025). The transcription factor CaBBX10 promotes chlorophyll and carotenoid pigment accumulation in Capsicum annuum fruit. *Plant Physiology*, *197*(2), 592. https://doi.org/10.1093/PLPHYS/KIAE592

48. Wang, W., Kumegawa, K., Chapman, O. S., Shiraishi, R., Xiao, Z., Okonechnikov, K., Sun, Y., Pfister, S. M., Feng, W., Uesaka, N., Hoshino, M., Takahashi, S., Korshunov, A., Chavez, L., Maruyama, R., & Kawauchi, D. (2025). Chromatin modification abnormalities by CHD7 and KMT2C loss promote medulloblastoma progression. *Cell Reports*, *44*(5). https://doi.org/10.1016/J.CELREP.2025.115673

49. Wen, H.-Z., Xiong, S.-Y., Lou, Y.-X., Yang, S.-Z., Sun, L., Yi, Y.-L., Tang, B.-Q., Shu, Q., Wang, Z.-Q., Yan, X.-J., Wu, Y.-R., Chen, P.-H., Qi, X.-W., Zhang, Y., Dai, L.-M., Xiong, Y., & Wu, G.-Y. (2025). Social interaction in mice suppresses breast cancer progression via a corticoamygdala neural circuit. *Neuron*, *0*(0), 1–16. https://doi.org/10.1016/J.NEURON.2025.07.002/ASSET/C24F4727-5382-4F46-9333-54607A7C0250/MAIN.ASSETS/GR8.JPG

50. Xu, R., Shao, C., Luo, Y., Zhou, B., Zhu, Q., Qiu, S., Liu, Z., Liu, S., & Shen, C. (2025). Tea polyphenol mediated CsMYB77 regulation of CsPOD44 to promote tea plant (Camellia sinensis) root drought resistance. *Horticulture Research*, *12*(6). https://doi.org/10.1093/HR/UHAF048

51. Yan, J., Liu, Q., Guo, P., Wang, Y., Sheng, S., Liu, X., Zhang, R., Li, J., & Tan, X. (2025). Time-Course Transcriptome Analysis Unveils the CoFKF1-CoMYB4-CoFT1 Regulatory Module in Flowering Control of Camellia oleifera Abel. *Plant, Cell and Environment*, *48*(8), 6153–6169. https://doi.org/10.1111/PCE.15574;JOURNAL:JOURNAL:13653040

52. Yao, C., Fei, Y., Yan, Z., Wu, C., Xiao, Y., Hu, J., Liu, B., Wang, R., Li, S., Zhang, M., Wang, N., Ma, W., Lu, N., & Wang, J. (2025). Cbuhdz34, a Homeodomain Leucine Zipper Transcription Factor, Positively Regulates Tension Wood Formation and Xylem Fibre Cell Elongation in Catalpa bungei. *Plant, Cell & Environment*, *48*(6), 4266–4285. https://doi.org/10.1111/PCE.15428

53. Yin, L., Fu, Z., Wang, M., Liu, B., Sun, X., Liu, K., Feng, X., He, Z., Wang, Y., Hou, J., Shao, X., Yang, N., Zhang, T., Liu, Y., Huang, Z., Yin, Q., Xie, Y., Li, Y., & Lang, T. (2025). A prodrug nanodevice co-delivering docetaxel and ROR1 siRNA for enhanced triple negative breast cancer therapy. *Acta Biomaterialia*, *193*, 498–513. https://doi.org/10.1016/J.ACTBIO.2024.12.055

54. Zhang, Q., Huang, J., Chen, X., Li, L., Chen, L., Zhou, X., Zhao, X., Liu, M., Zhao, W., Yan, J., Wang, Y., Su, Y., Liu, Y., Xu, S., & Zeng, W. (2025). Mesenchymal Stem Cell-Derived Mitochondrial Transfer Promotes Tip Cell Phenotype via Glutathione Metabolic Reprogramming in Stroke Mice. *ACS Nano*, *19*(22), 20452–20471. https://doi.org/10.1021/ACSNANO.4C15759/ASSET/IMAGES/LARGE/NN4C15759_0008.JPEG

55. Zhu, X., Xie, L., Liao, Q., Tian, J., Peng, J., Chen, Z., Song, E., & Song, Y. (2025). Calcium phosphate-mineralized nanoplatform for enhanced ferroptosis and synergistic anti-PDL1 therapy in triple-negative breast cancer through multi-pathway targeting. *Acta Biomaterialia*. https://doi.org/10.1016/J.ACTBIO.2025.08.014

56. Abdoul-Azize, S., Hami, R., Riou, G., Derambure, C., Charbonnier, C., Vannier, J.-P., Guzman, M. L., Schneider, P., & Boyer, O. (2024). Glucocorticoids paradoxically promote steroid resistance in B cell acute lymphoblastic leukemia through CXCR4/PLC signaling. Nature Communications 2024 15:1, 15(1), 1–21. https://doi.org/10.1038/s41467-024-48818-9

57. Amorim, A. S., Arnaut, Z. A., Mata, A. I., Pucelik, B., Barzowska, A., da Silva, G. J., Pereira, M. M., Dąbrowski, J. M., & Arnaut, L. G. (2024). Efficient and Selective, In Vitro and In Vivo, Antimicrobial Photodynamic Therapy with a Dicationic Chlorin in Combination with KI. ACS Infectious Diseases, 10(9), 3368–3377. https://doi.org/10.1021/ACSINFECDIS.4C00492/ASSET/IMAGES/LARGE/ID4C00492_0010.JPEG

58. Bianchi, M., Reichen, C., Croset, A., Fischer, S., Eggenschwiler, A., Grübler, Y., Marpakwar, R., Looser, T., Spitzli, P., Herzog, C., Villemagne, D., Schiegg, D., Abduli, L., Iss, C., Neculcea, A.,

Franchini, M., Lekishvili, T., Ragusa, S., Zitt, C., … Goubier, A. (2024). The CD33xCD123xCD70 Multispecific CD3-Engaging DARPin MP0533 Induces Selective T Cell–Mediated Killing of AML Leukemic Stem Cells. Cancer Immunology Research, OF1–OF23. https://doi.org/10.1158/2326-6066.CIR-23-0692

59. Carvalho, A., Vicente, M. H., Ferigolo, L. F., Silva, E. M., Lira, B. S., Teboul, N., Levy, M., Serrano-Bueno, G., Peres, L. E. P., Sablowski, R., Schommer, C., Valverde, F., Rossi, M., Ori, N., & Nogueira, F. T. S. (2024). The miR319-based repression of SlTCP2/LANCEOLATE activity is required for regulating tomato fruit shape. The Plant Journal. https://doi.org/10.1111/TPJ.17174

60. Codilupi, T., Szybinski, J., Arunasalam, S., Jungius, S., Dunbar, A. C., Stivala, S., Brkic, S., Albrecht, C., Vokalova, L., Yang, J. L., Buczak, K., Ghosh, N., Passweg, J. R., Rovo, A., Angelillo-Scherrer, A., Pankov, D., Dirnhofer, S., Levine, R. L., Koche, R., & Meyer, S. C. (2024). Development of Resistance to Type II JAK2 Inhibitors in MPN Depends on AXL Kinase and Is Targetable. Clinical Cancer Research, 30(3), 586–599. https://doi.org/10.1158/1078-0432.CCR-23-0163/730281/AM/DEVELOPMENT-OF-RESISTANCE-TO-TYPE-II-JAK2

61. Deshmukh, M., Hu, Z., Mohammad, M., & Jin, T. (2024). Utilization of In Vivo Imaging System to Study Staphylococcal Sepsis and Septic Arthritis Progression in Mouse Model. Pathogens, 13(8), 652. https://doi.org/10.3390/PATHOGENS13080652/S1

62. Goksen, S., Varan, G., Bilensoy, E., & Esendagli, G. (2024). Folate Receptor β (FRβ) Expression on Myeloid Cells and the Impact of Reticuloendothelial System on Folate-Functionalized Nanoparticles' Biodistribution in Cancer. Molecular Pharmaceutics, 21(9), 4688–4699. https://doi.org/10.1021/ACS.MOLPHARMACEUT.4C00663/ASSET/IMAGES/LARGE/MP4C00663_0005.JPEG

63. Gu, Z., Sun, M., Liu, J., Huang, Q., Wang, Y., Liao, J., Shu, T., Tao, M., Mao, G., Pei, Z., Meng, W., Zhang, X., Wei, Y., Zhang, S., Li, S., Xiao, K., Lu, Y., & Xu, Q. (2024). Endothelium-Derived Engineered Extracellular Vesicles Protect the Pulmonary Endothelial Barrier in Acute Lung Injury. Advanced Science, 11(6), 2306156. https://doi.org/10.1002/ADVS.202306156

64. Guzmán-Mendoza, J. J., Sánchez-Ramírez, B., Cigarroa-Mayorga, O. E., Orrantia-Borunda, E., & Talamás-Rohana, P. (2024). Noncytotoxic Carbon Nanotubes Bioconjugated with Fucosyltransferase 4-Derived Peptides Modulate Macrophage Polarization In Vitro. BioNanoScience, 14(1), 299–317. https://doi.org/10.1007/S12668-023-01241-8/FIGURES/8

65. Hernández-Ramírez, V. I., Matus-Meza, A.-S., Oviedo, N., Magos-Castro, M. A., Osorio-Trujillo, C., Salazar-Villatoro, L., Constantino-Jonapa, L. A., & Talamás-Rohana, P. (2024). Exploration of the Binding Site of Arachidonic Acid in gp63 of Leishmania mexicana and in Orthologous Proteins in Clinically Important Parasites. Pathogens, 13(9), 718. https://doi.org/10.3390/PATHOGENS13090718/S1

66. Hu, J., Zhu, T., Yao, C., Hao, C., Yan, H., Pu, Z., Ma, W., Gao, B., Gao, H., Kong, L., Zhang, H., & Wang, J. (2024). PaMYB11 promotes suberin deposition in Norway spruce embryogenic tissue during cryopreservation: A novel resistance mechanism against osmosis. The Plant Journal, 119(5), 2199–2216. https://doi.org/10.1111/TPJ.16912

67. Kasuya, H., Zhang, H., Ito, Y., Yoshikawa, T., Nakashima, T., Li, Y., Matsukawa, T., Inoue, S., & Kagoya, Y. (2024). High CD62L expression predicts the generation of chimeric antigen receptor T cells with potent effector functions. International Immunology. https://doi.org/10.1093/INTIMM/DXAE015

68. Kikuchi, S., Iwasaki, Y., Yoshioka, M., Hino, K., Morita, S. Y., Tada, R., Uchimura, Y., Kubo, Y., Kobayashi, T., Kinoshita, Y., Hayashi, M., Furusho, Y., Tamiaki, H., Ishiyama, H., Kuroda, M., & Udagawa, J. (2024). Solitary and Synergistic Effects of Different Hydrophilic and Hydrophobic Phospholipid Moieties on Rat Behaviors. Pharmaceutics, 16(6), 762. https://doi.org/10.3390/PHARMACEUTICS16060762/S1

69. Kim, J.-S., Eom, J.-Y., Kim, H.-W., Ko, J.-W., Hong, E.-J., Kim, M.-N., Kim, J., Kim, D.-K., Kwon, H.-J., & Cho, Y.-E. (2024). Hemp sprout-derived exosome-like nanovesicles as hepatoprotective agents attenuate liver fibrosis. Biomaterials Science, 12(20), 5361–5371. https://doi.org/10.1039/D4BM00812J

70. Lai, L., Guo, Q., Zou, W., Huang, L., Xu, S., Qiao, D., Wang, L., Zheng, P., Pan, Q., & Zhu, W. (2024). Space-confined nanozyme with cascade reaction based on PCN-224 for synergistic bacterial infection treatment and NIR fluorescence imaging of wound bacterial infections. Chemical Engineering Journal, 487, 150642. https://doi.org/10.1016/J.CEJ.2024.150642

71. Li, Y., Liao, J., Xiong, L., Xiao, Z., Ye, F., Wang, Y., Chen, T., Huang, L., Chen, M., Chen, Z. S., Wang, T., Zhang, C., & Lu, Y. (2024). Stepwise targeted strategies for improving neurological function by inhibiting oxidative stress levels and inflammation following ischemic stroke. Journal of Controlled Release, 368, 607–622. https://doi.org/10.1016/J.JCONREL.2024.02.039

72. Lin, L., Ba, Z., Tian, H., Qin, H., Chen, X., Zhou, X., Zhao, S., Li, L., Xue, F., Li, H., He, L., Li, X., Du, J., Zhou, Z., & Zeng, W. (2024). Ultrasound-responsive theranostic platform for the timely monitoring and efficient thrombolysis in thrombi of tPA resistance. Nature Communications 2024 15:1, 15(1), 1–17. https://doi.org/10.1038/s41467-024-50741-y

73. Lorga, I., Geraldo, R., Soares, J., Oliveira, L., Firon, A., & Bonifácio Andrade, E. (2024). Development of bioluminescent Group B streptococcal strains for longitudinal infection studies. Scientific Reports 2024 14:1, 14(1), 1–13. https://doi.org/10.1038/s41598-024-74346-z

74. Ma, X., Sheng, L., Li, F., Zhou, T., Guo, J., Chang, Y., Yang, J., Jin, Y., Chen, Y., & Lu, X. (2024). Seasonal drought promotes citrate accumulation in citrus fruit through the CsABF3-activated CsAN1-CsPH8 pathway. New Phytologist, 242(3), 1131–1145. https://doi.org/10.1111/NPH.19671

75. Ma, X., Zeng, X., Huang, Y., Liu, S. H., Yin, J., & Yang, G. F. (2024). Visualizing plant salt stress with a NaCl-responsive fluorescent probe. Nature Protocols 2024, 1–32. https://doi.org/10.1038/s41596-024-01068-x

76. Magkouta, S., Veroutis, D., Pousias, A., Papaspyropoulos, A., Giannetti, K., Pippa, N., Lougiakis, N., Kambas, K., Lagopati, N., Polyzou, A., Georgiou, M., Chountoulesi, M., Pispas, S., Foutadakis, S., Kyrodimos, E., Pouli, N., Marakos, P., Kotsinas, A., Verginis, P., … Gorgoulis, V. G. (2024). One-step rapid tracking and isolation of senescent cells in cellular systems, tissues, or animal models via GLF16. STAR Protocols, 5(1), 102929. https://doi.org/10.1016/J.XPRO.2024.102929

77. Martins, T. A., Kaymak, D., Tatari, N., Gerster, F., Hogan, S., Ritz, M.-F., Sabatino, V., Wieboldt, R., Bartoszek, E. M., McDaid, M., Gerber, A., Buck, A., Beshirova, A., Heider, A., Shekarian, T., Mohamed, H., Etter, M. M., Schmassmann, P., Abel, I., … Hutter, G. (2024). Enhancing anti-EGFRvIII CAR T cell therapy against glioblastoma with a paracrine SIRPγ-derived CD47 blocker. Nature Communications 2024 15:1, 15(1), 1–25. https://doi.org/10.1038/s41467-024-54129-w

78. Naoumkina, M., Thyssen, G. N., Zeng, L., Shockey, J., Neumann, N., Florane, C. B., Jenkins, J. N., McCarty, J. C., & Fang, D. D. (2024). Interaction of the cyclin-dependent kinase inhibitor GhKRP6 with RING-Type E3 ligase influences the fiber length in Upland cotton. Industrial Crops and Products, 222, 119789. https://doi.org/10.1016/J.INDCROP.2024.119789

79. Nasrin, M. Z., Kikuchi, S., Uchimura, Y., Yoshioka, M., Morita, S., Kobayashi, T., Kinoshita, Y., Furusho, Y., Tamiaki, H., Yanagisawa, D., & Udagawa, J. (2024). Ethanolamine and Vinyl–Ether Moieties in Brain Phospholipids Modulate Behavior in Rats. NeuroSci 2024, Vol. 5, Pages 509-522, 5(4), 509–522. https://doi.org/10.3390/NEUROSCI5040037

80. Niu, M. X., Feng, C. H., He, F., Zhang, H., Bao, Y., Liu, S. J., Liu, X., Su, Y., Liu, C., Wang, H. L., Yin, W., & Xia, X. (2024). The miR6445-NAC029 module regulates drought tolerance by regulating the expression of glutathione S-transferase U23 and reactive oxygen species scavenging in Populus. New Phytologist, 242(5), 2043–2058. https://doi.org/10.1111/NPH.19703

81. Royston, H. N., Hampton, A. B., Bhagat, D., Pinto, E. F., Emerson, M. D., & Funato, K. (2024). A human embryonic stem cell–based model reveals the cell of origin of FOXR2-activated CNS neuroblastoma. Neuro-Oncology Advances, 6(1). https://doi.org/10.1093/NOAJNL/VDAE144

82. Rütter, M., Milošević, N., Ventura, Y., Feinshtein, V., & David, A. (2024). E-selectin-targeted polymer-doxorubicin conjugate induces regression of established colorectal liver metastases and improves mice survival. Nano Today, 55. https://doi.org/10.1016/j.nantod.2024.102182

83. Schantz, S. L., Sneed, S. E., Fagan, M. M., Golan, M. E., Cheek, S. R., Kinder, H. A., Duberstein, K. J., Kaiser, E. E., & West, F. D. (2024). Human-Induced Pluripotent Stem Cell-Derived Neural Stem Cell Therapy Limits Tissue Damage and Promotes Tissue Regeneration and Functional Recovery

in a Pediatric Piglet Traumatic-Brain-Injury Model. Biomedicines, 12(8), 1663. https://doi.org/10.3390/BIOMEDICINES12081663/S1

84. Silva, M. F. C., Aroso, R. T., Dabrowski, J. M., Pucelik, B., Barzowska, A., da Silva, G. J., Arnaut, L. G., & Pereira, M. M. (2024). Photodynamic inactivation of E. coli with cationic imidazolyl-porphyrin photosensitizers and their synergic combination with antimicrobial cinnamaldehyde. Photochemical and Photobiological Sciences, 1–14. https://doi.org/10.1007/S43630-024-00581-Y/FIGURES/7

85. Song, S., Li, Y., Qiu, M., Xu, N., Li, B., Zhang, L., Li, L., Chen, W., Li, J., Wang, T., Qiu, Y., Gong, M., Yu, D., Dong, H., Xia, S., Pan, Y., Yuan, D., & Li, L. (2024). Structural variations of a new fertility restorer gene, Rf20, underlie the restoration of wild abortive-type cytoplasmic male sterility in rice. Molecular Plant, 17(8), 1272–1288. https://doi.org/10.1016/J.MOLP.2024.07.001/ATTACHMENT/F1BFFA31-31F4-4315-93C9-6AFFEE321F52/MMC2.PDF

86. Tonbul, H., Şahin, A., Öztürk, S. C., Ultav, G., Tavukçuoğlu, E., Akbaş, S., Aktaş, Y., Esendağlı, G., & Çapan, Y. (2024). An all-in-one nanoparticle for overcoming drug resistance: doxorubicin and elacridar co-loaded folate receptor targeted PLGA/MSN hybrid nanoparticles. Journal of Drug Targeting. https://doi.org/10.1080/1061186X.2024.2374034

87. Wang, C., Li, J., Fang, K., Yao, H., Chai, X., Du, Y., Wang, J., Hao, N., Cao, J., Li, B., & Wu, T. (2024). CsHLS1-CsSCL28 module regulates compact plant architecture in cucumber. Plant Biotechnology Journal. https://doi.org/10.1111/PBI.14298

88. Wang, H.-M., Li, Y.-C., Sun, L.-L., Tang, M.-Y., Liu, J., Cai, J., Dong, L., Li, J., Zang, Y., Han, H.-H., & He, X.-P. (2024). Protein-encapsulated long-wavelength fluorescent probe hybrid for imaging lipid droplets in living cells and mice with non-alcoholic fatty liver. Chinese Chemical Letters, 109603. https://doi.org/10.1016/J.CCLET.2024.109603

89. Wang, J., Shan, Q., Yuan, Q., Pan, L., Wang, M., Zhao, P., Yu, F., Dai, L., Xie, L., Wang, Z., Dai, X., Chen, L., Zou, X., Xiong, C., Zhu, F., & Liu, F. (2024). The transcription factor CaBBX10 promotes chlorophyll and carotenoid pigment accumulation in Capsicum annuum fruit. Plant Physiology. https://doi.org/10.1093/PLPHYS/KIAE592

90. Warszyńska, M., Pucelik, B., Vinagreiro, C. S., Repetowski, P., Barzowska, A., Barczyk, D., Schaberle, F. A., Duque-Prata, A., Arnaut, L. G., Pereira, M. M., & Dąbrowski, J. M. (2024). Better in the Near Infrared: Sulfonamide Perfluorinated-Phenyl Photosensitizers for Improved Simultaneous Targeted Photodynamic Therapy and Real-Time Fluorescence Imaging. ACS Applied Materials and Interfaces, 16, 50389–50406. https://doi.org/10.1021/ACSAMI.4C11171/ASSET/IMAGES/LARGE/AM4C11171_0010.JPEG

91. Werłos, M., Barzowska-Gogola, A., Pucelik, B., Repetowski, P., Warszyńska, M., & Dąbrowski, J. M. (2024). One Change, Many Benefits: A Glycine-Modified Bacteriochlorin with NIR Absorption and a Type I Photochemical Mechanism for Versatile Photodynamic Therapy. International Journal of Molecular Sciences, 25(23), 13132. https://doi.org/10.3390/IJMS252313132/S1

92. Wu, D., Sun, H., Yang, B., Song, E., Song, Y., & Tan, W. (2024). Exosome Heterogeneity Affects the Distal "Barrier-Crossing" Trafficking of Exosome Encapsulated Quantum Dots. ACS Nano, 18(11), 7907–7922. https://doi.org/10.1021/ACSNANO.3C09378/SUPPL_FILE/NN3C09378_SI_011.XLSX

93. Yang, R., Liu, Y., Yang, N., Zhang, T., Hou, J., He, Z., Wang, Y., Sun, X., Shen, J., Jiang, H., Xie, Y., & Lang, T. (2024). Combination of miR159 Mimics and Irinotecan Utilizing Lipid Nanoparticles for Enhanced Treatment of Colorectal Cancer. Pharmaceutics 2024, Vol. 16, Page 570, 16(4), 570. https://doi.org/10.3390/PHARMACEUTICS16040570

94. Yin, L., Fu, Z., Wang, M., Liu, B., Sun, X., Liu, K., Feng, X., He, Z., Wang, Y., Hou, J., Shao, X., Yang, N., Zhang, T., Liu, Y., Yin, Q., Xie, Y., Li, Y., & Lang, T. (2024). Prodrug-Oligonucleotides Nanodevice Targeting ROR1 for Improving Triple-Negative Breast Cancer Therapy. https://doi.org/10.2139/SSRN.4952412

95. Zhang, Y., Niu, D., Yuan, Y., Liu, F., Wang, Z., Gao, L., Liu, C., Zhou, G., & Gai, S. (2024). PsSOC1 is involved in the gibberellin pathway to trigger cell proliferation and budburst during endodormancy release in tree peony. New Phytologist, 243(3), 1017–1033. https://doi.org/10.1111/NPH.19893

96. Zhu, X., Li, C., Gao, Y., Zhang, Q., Wang, T., Zhou, H., Bu, F., Chen, J., Mao, X., He, Y., Wu, K., Li, N., & Luo, H. (2024). The feedback loop of EFTUD2/c-MYC impedes chemotherapeutic efficacy by enhancing EFTUD2 transcription and stabilizing c-MYC protein in colorectal cancer. Journal of Experimental & Clinical Cancer Research : CR, 43(1). https://doi.org/10.1186/S13046-023-02873-0

97. Anthiya, S., Öztürk, S. C., Yanik, H., Tavukcuoglu, E., Şahin, A., Datta, D., Charisse, K., Álvarez, D. M., Loza, M. I., Calvo, A., Sulheim, E., Loevenich, S., Klinkenberg, G., Schmid, R., Manoharan, M., Esendağlı, G., & Alonso, M. J. (2023). Targeted siRNA lipid nanoparticles for the treatment of KRAS-mutant tumors. Journal of Controlled Release, 357, 67–83. https://doi.org/10.1016/J.JCONREL.2023.03.016

98. Arslan, F. B., Öztürk, K., Tavukçuoğlu, E., Öztürk, S. C., Esendağlı, G., & Çalış, S. (2023). A novel combination for the treatment of small cell lung cancer: Active targeted irinotecan and stattic co-loaded PLGA nanoparticles. International Journal of Pharmaceutics, 632, 122573. https://doi.org/10.1016/J.IJPHARM.2022.122573

99. Barrera-Rojas, C. H., Vicente, M. H., Pinheiro Brito, D. A., Silva, E. M., Lopez, A. M., Ferigolo, L. F., Do Carmo, R. M., Silva, C. M. S., Silva, G. F. F., Correa, J. P. O., Notini, M. M., Freschi, L., Cubas, P., & Nogueira, F. T. S. (2023). Tomato miR156-targeted SlSBP15 represses shoot branching by

modulating hormone dynamics and interacting with GOBLET and BRANCHED1b. Journal of Experimental Botany, 74(17), 5124–5139. https://doi.org/10.1093/JXB/ERAD238

100. Couto, J. P., Vulin, M., Jehanno, C., Coissieux, M.-M., Hamelin, B., Schmidt, A., Ivanek, R., Sethi, A., Br€ Autigam, K., Frei, A. L., Hager, C., Manivannan, M., Omez-Miragaya, J. G., Obradović, M. M., Varga, Z., Koelzer, V. H., Mertz, K. D., & Bentires-Alj, M. (2023). Nicotinamide N-methyltransferase sustains a core epigenetic program that promotes metastatic colonization in breast cancer. The EMBO Journal, 42(13), e112559. https://doi.org/10.15252/EMBJ.2022112559

101. Dal Poggetto, G., Laurienzo, P., Mooranian, A., Kaplan, M., Öztürk, K., Öztürk, S. C., Glu, T., Güne¸s, G., Glı, E., & Calis, S. (2023). Effects of Particle Geometry for PLGA-Based Nanoparticles: Preparation and In Vitro/In Vivo Evaluation. Pharmaceutics 2023, Vol. 15, Page 175, 15(1), 175. https://doi.org/10.3390/PHARMACEUTICS15010175

102. Deshmukh, M., Subhash, S., Hu, Z., Mohammad, M., Jarneborn, A., Pullerits, R., Jin, T., & Kopparapu, P. K. (2023). Gene expression of S100a8/a9 predicts Staphylococcus aureus-induced septic arthritis in mice. Frontiers in Microbiology, 14, 1146694. https://doi.org/10.3389/FMICB.2023.1146694/BIBTEX

103. Ding, S., He, S., Ye, K., Shao, X., Yang, Q., & Yang, G. (2023). Photopolymerizable, immunomodulatory hydrogels of gelatin methacryloyl and carboxymethyl chitosan as all-in-one strategic dressing for wound healing. International Journal of Biological Macromolecules, 253, 127151. https://doi.org/10.1016/J.IJBIOMAC.2023.127151

104. Gu, P., Li, Y., Li, L., Deng, S., Zhu, X., Song, Y., Song, E., & Tan, W. (2023). Azo Reductase Activated Magnetic Resonance Tuning Probe with “Switch-On” Property for Specific and Sensitive Tumor Imaging in Vivo. ACS Nano, 17(23), 24384–24394. https://doi.org/10.1021/ACSNANO.3C10739/SUPPL_FILE/NN3C10739_SI_001.PDF

105. Huang, Y., Zhou, Y., Shen, Y., Wang, J., Zhou, L., & Chen, Z. (2023). Preparation of baicalin colon-targeted granules and its intervention effect on ulcerative colitis in rats. Particuology, 85, 13–21. https://doi.org/10.1016/J.PARTIC.2023.03.017

106. Itzhar, A., Yosef, G., Eilon-Ashkenazy, M., Shmidov, Y., Gil, H., Lacham-Hartman, S., Elyagon, S., Etzion, S., Bitton, R., Cohen, S., Etzion, Y., & Papo, N. (2023). Potent inhibition of MMP-9 by a novel sustained-release platform attenuates left ventricular remodeling following myocardial infarction. Journal of Controlled Release, 364, 246–260. https://doi.org/10.1016/J.JCONREL.2023.10.033

107. Kim, J. S., Kim, D. H., Gil, M. C., Kwon, H. J., Seo, W., Kim, D. K., & Cho, Y. E. (2023). Pomegranate-Derived Exosome-Like Nanovesicles Alleviate Binge Alcohol-Induced Leaky Gut and Liver Injury. Https://Home.Liebertpub.Com/Jmf. https://doi.org/10.1089/JMF.2023.K.0060

108. Liao, J., Li, Y., Fan, L., Sun, Y., Gu, Z., Xu, Q. Q., Wang, Y., Xiong, L., Xiao, K., Chen, Z. S., Ma, Z., Zhang, C., Wang, T., & Lu, Y. (2023). Bioactive Ceria Nanoenzymes Target Mitochondria in Reperfusion Injury to Treat Ischemic Stroke. ACS Nano. https://doi.org/10.1021/ACSNANO.3C10982/SUPPL_FILE/NN3C10982_SI_001.PDF

109. Ma, X., Chang, Y., Li, F., Yang, J., Ye, L., Zhou, T., Jin, Y., Sheng, L., & Lu, X. (2023). CsABF3-activated CsSUT1 pathway is implicated in pre-harvest water deficit inducing sucrose accumulation in citrus fruit. Horticultural Plant Journal. https://doi.org/10.1016/J.HPJ.2023.07.001

110. Magkouta, S., Veroutis, D., Pousias, A., Papaspyropoulos, A., Pippa, N., Lougiakis, N., Kambas, K., Lagopati, N., Polyzou, A., Georgiou, M., Chountoulesi, M., Pispas, S., Foutadakis, S., Pouli, N., Marakos, P., Kotsinas, A., Verginis, P., Valakos, D., Mizi, A., … Gorgoulis, V. G. (2023). A fluorophore-conjugated reagent enabling rapid detection, isolation and live tracking of senescent cells. Molecular Cell, 83(19), 3558-3573.e7. https://doi.org/10.1016/J.MOLCEL.2023.09.006

111. Sananes, A., Cohen, I., Allon, I., Ben-David, O., Abu Shareb, R., Yegodayev, K. M., Stepensky, D., Elkabets, M., & Papo, N. (2023). Serine protease inhibitors decrease metastasis in prostate, breast, and ovarian cancers. Molecular Oncology, 17(11), 2337–2355. https://doi.org/10.1002/1878-0261.13513

112. Sanwal, R., Mintsopoulos, V., Ditmans, M., Lang, A., Latreille, E., Ghaffari, S., Khosraviani, N., Karshafian, R., Leong-Poi, H., Hwang, D. M., Brochard, L., Goffi, A., Slutsky, A. S., & Lee, W. L. (2023). Ultrasound-guided transfection of claudin-5 improves lung endothelial barrier function in lung injury without impairing innate immunity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 325(2), L135–L142. https://doi.org/10.1152/AJPLUNG.00107.2023/ASSET/IMAGES/LARGE/AJPLUNG.00107.2023_F004.JPEG

113. Tao, G. Y., Xie, Y. H., Li, W. F., Li, K. P., Sun, C., Wang, H. M., & Sun, X. M. (2023). LkARF7 and LkARF19 overexpression promote adventitious root formation in a heterologous poplar model by positively regulating LkBBM1. Communications Biology 2023 6:1, 6(1), 1–11. https://doi.org/10.1038/s42003-023-04731-3

114. Tian, Q., Xu, M., Wu, D., Wang, C., Wang, X., Che, Q., Li, Z., & Xu, X. (2023). Integrated transgene and transcriptome reveal the molecular basis of MdWRKY87 positively regulate adventitious rooting in apple rootstock. Frontiers in Plant Science, 14, 230. https://doi.org/10.3389/FPLS.2023.1136616/BIBTEX

115. Wen, C., Zhang, Y., Lai, L., Zhan, X., Li, Y., Guo, Q., Peng, R., Ga, Y., Zhang, X., He, Y., Xu, S., Qia, D., Zheng, P., Pan, Q., & Zhu, W. (2023). Photothermally Enhanced Cascaded Nanozyme-Functionalized Black Phosphorus Nanosheets for Targeted Treatment of Infected Diabetic Wounds. Advanced Healthcare Materials, 2302955. https://doi.org/10.1002/ADHM.202302955

116. Yan, J., Xiao, H., Zhou, X., Li, Y., Zhao, S., Zhao, X., Liu, Y., Liu, M., Xue, F., Zhang, Q., Zhao, W., Li, L., Su, Y., & Zeng, W. (2023). Engineered exosomes reprogram Gli1+ cells in vivo to prevent calcification of vascular grafts and autologous pathological vessels. Science Advances, 9(29). https://doi.org/10.1126/SCIADV.ADF7858/SUPPL_FILE/SCIADV.ADF7858_SM.PDF

117. Zhang, W., Zhao, Z., Zhou, J., Wang, W., Su, J., & Yuan, G. (2023). Carboxymethyl chitosan nanoparticles loaded with Ctenopharyngodon idella interferon-γ2 (CiIFN-γ2) enhance protective efficacy against bacterial infection in grass carp. Aquaculture, 572, 739554. https://doi.org/10.1016/J.AQUACULTURE.2023.739554

118. Zhou, J., Chen, X., Chen, Q., Pan, B., Lou, J., Jia, Z., Du, Y., Xu, W., Zhang, L., Feng, X., Jin, L., Shi, M., Li, X., Huang, Z., & Sun, J. (2023). Novel Muscle-Homing Peptide FGF1 Conjugate Based on AlphaFold for Type 2 Diabetes Mellitus. ACS Applied Materials and Interfaces, 15(5), 6397–6410. https://doi.org/10.1021/ACSAMI.2C18461/SUPPL_FILE/AM2C18461_SI_001.PDF

119. Zhu, T., Kong, M., Yu, Y., Schartl, M., Power, D. M., Li, C., Ma, W., Sun, Y., Li, S., Yue, B., Li, W., & Shao, C. (2023). Exosome delivery to the testes for dmrt1 suppression: A powerful tool for sex-determining gene studies. Journal of Controlled Release, 363, 275–289. https://doi.org/10.1016/J.JCONREL.2023.09.027

120. Boitet, M., Eun, H., Lee, T., Kim, J., & Grailhe, R. (2022). Non-invasive In Vivo Brain Astrogenesis and Astrogliosis Quantification Using a Far-red E2-Crimson Transgenic Reporter Mouse. Molecular Neurobiology 2022, 1–14. https://doi.org/10.1007/S12035-022-02997-Y

121. Bondeva, T., & Wolf, G. (2022). Cloning of the Human MORG1 Promoter: Differential Regulation by Hypoxia and Prolyl-Hydroxylase Inhibitors. Genes, 13(3), 427. https://doi.org/10.3390/genes13030427

122. Chen, J., Zheng, L., Shi, X., Zhang, S., Tan, X., Zhao, X., Lu, B., Ye, Q., Miao, S., Liu, Y., & Zhang, D. (2022). The nonstructural protein NSs encoded by tomato zonate spot virus suppresses RNA silencing by interacting with NbSGS3. Molecular Plant Pathology, 23(5), 707–719. https://doi.org/10.1111/MPP.13192

123. Chen, W., Guan, Y., Chen, Q., Ren, J., Xie, Y., & Yin, J. (2022). The mark of Mercury(II) in living animals and plants through using a BODIPY-based near-infrared fluorescent probe. Dyes and Pigments, 200. https://doi.org/10.1016/J.DYEPIG.2022.110134

124. Cheng, C., Liu, J., Wang, X., Wang, Y., Yuan, Y., & Yang, S. (2022). PpERF/ABR1 functions as an activator to regulate PpPG expression resulting in fruit softening during storage in peach (Prunus persica). Postharvest Biology and Technology, 189, 111919. https://doi.org/10.1016/J.POSTHARVBIO.2022.111919

125. Gao, Y., Li, Z., Yang, C., Li, G., Zeng, H., Li, Z., Zhang, Y., & Yang, X. (2022). Pseudomonas syringae activates ZAT18 to inhibit salicylic acid accumulation by repressing EDS1 transcription for bacterial infection. New Phytologist, 233(3), 1274–1288. https://doi.org/10.1111/NPH.17870

126. Geng, J., Wang, Z., Wu, Y., Yu, L., Wang, L., Dong, Q., Liu, C., & Chi, Z. (2022). Intrinsic specificity of plain ammonium citrate carbon dots for Helicobacter pylori: Interfacial mechanism, diagnostic translation and general revelation. Materials Today Bio, 15, 100282. https://doi.org/10.1016/J.MTBIO.2022.100282

127. Huang, Q., Wang, K., Wanggou, S., Tian, J., & Li, X. (2022). A novel co-targeting strategy of EGFR/SEC61G for multi-modality fluorescence/MR/photoacoustic imaging of glioblastoma. Nanomedicine: Nanotechnology, Biology and Medicine, 40, 102509. https://doi.org/10.1016/J.NANO.2021.102509

128. Li, M., Bian, X., Chen, X., Fan, N., Zou, H., Bao, Y., & Zhou, Y. (2022). Multifunctional liposome for photoacoustic/ultrasound imaging-guided chemo/photothermal retinoblastoma therapy. Drug Delivery, 29(1), 519–533. https://doi.org/10.1080/10717544.2022.2032876

129. Nagornykh, A. M., Tyumentseva, M. A., Tyumentsev, A. I., & Akimkin, V. G. (2022). Protocol for chronic hepatitis B virus infection mouse model development by patient-derived orthotopic xenografts. PLOS ONE, 17(2), e0264266. https://doi.org/10.1371/JOURNAL.PONE.0264266

130. Qin, Q., Yang, B., Liu, J., Song, E., & Song, Y. (2022). Polychlorinated biphenyl quinone exposure promotes breast cancer aerobic glycolysis: An in vitro and in vivo examination. Journal of Hazardous Materials, 424, 127512. https://doi.org/10.1016/J.JHAZMAT.2021.127512

131. Vijayan, A. N., Indrakumar, J., Gomathinayagam, S., Gothandam, K. M., & Korrapati, P. S. (2022). Bi-Functional Aspects of Peptide Decorated PLGA Nanocarriers for Enhanced Translocation Across the Blood-Brain Barrier through Macropinocytosis. Macromolecular Research 2022, 1–14. https://doi.org/10.1007/S13233-022-0061-5

132. Wang, N., Liu, Y., Dong, C., Zhang, Y., & Bai, S. (2022). MdMAPKKK1 Regulates Apple Resistance to Botryosphaeria dothidea by Interacting with MdBSK1. International Journal of Molecular Sciences 2022, Vol. 23, Page 4415, 23(8), 4415. https://doi.org/10.3390/IJMS23084415

133. Wang, Z., Xu, C., Zhang, Y., Huo, X., & Su, J. (2022). Dietary supplementation with nanoparticle CMCS-20a enhances the resistance to GCRV infection in grass carp (Ctenopharyngodon idella). Fish & Shellfish Immunology, 127, 572–584. https://doi.org/10.1016/J.FSI.2022.07.004

134. Wei, W., Li, Y., Lee, M., Andrikopoulos, N., Lin, S., Chen, C., Leong, D. T., Ding, F., Song, Y., & Ke, P. C. (2022). Anionic nanoplastic exposure induces endothelial leakiness. Nature Communications 2022 13:1, 13(1), 1–14. https://doi.org/10.1038/s41467-022-32532-5

135. Wei, W., Yan, Z., Liu, X., Qin, Z., Tao, X., Zhu, X., Song, E., Chen, C., Ke, P. C., Leong, D. T., & Song, Y. (2022). Brain Accumulation and Toxicity Profiles of Silica Nanoparticles: The Influence of Size and Exposure Route. Environmental Science & Technology. https://doi.org/10.1021/ACS.EST.1C07562/SUPPL_FILE/ES1C07562_SI_001.PDF

136. Wu, Y., Geng, J., Cheng, X., Yang, Y., Yu, Y., Wang, L., Dong, Q., Chi, Z., & Liu, C. (2022). Cosmetic-Derived Mannosylerythritol Lipid-B-Phospholipid Nanoliposome: An Acid-Stabilized Carrier for Efficient Gastromucosal Delivery of Amoxicillin for In Vivo Treatment of Helicobacter pylori. ACS Omega. https://doi.org/10.1021/ACSOMEGA.2C02953/ASSET/IMAGES/LARGE/AO2C02953_0008.JPEG

137. Xiao, X., Lu, H., Zhu, W., Zhang, Y., Huo, X., Yang, C., Xiao, S., Zhang, Y., & Su, J. (2022). A Novel Antimicrobial Peptide Derived from Bony Fish IFN1 Exerts Potent Antimicrobial and Anti-Inflammatory Activity in Mammals. Microbiology Spectrum. https://doi.org/10.1128/spectrum.02013-21

138. Xie, L., Chen, W., Chen, Q., Jiang, Y., Song, E., Zhu, X., & Song, Y. (2022). Synergistic hydroxyl radical formation, system XC- inhibition and heat shock protein crosslinking tango in ferrotherapy: A prove-of-concept study of “sword and shield” theory. Materials Today Bio, 16, 100353. https://doi.org/10.1016/J.MTBIO.2022.100353

139. Yang, J. F., Chen, W. J., Zhou, L. M., Hewage, K. A. H., Fu, Y. X., Chen, M. X., He, B., Pei, R. J., Song, K., Zhang, J. H., Yin, J., Hao, G. F., & Yang, G. F. (2022). Real-Time Fluorescence Imaging of the Abscisic Acid Receptor Allows Nondestructive Visualization of Plant Stress. ACS Applied Materials and Interfaces. https://doi.org/10.1021/ACSAMI.2C02156/SUPPL_FILE/AM2C02156_SI_001.PDF

140. Li, W., Zhang, X., Nan, Y., Jia, L., Sun, J., Zhang, L., & Wang, Y. (2021). Hyaluronidase and pH Dual-Responsive Nanoparticles for Targeted Breast Cancer Stem Cells. Frontiers in Oncology, 11, 1. https://doi.org/10.3389/FONC.2021.760423/FULL

141. Ünal, S., Can Öztürk, S., Bilgiç, E., Yanık, H., Korkusuz, P., Aktaş, Y., Benito, J. M., Esendağlı, G., & Bilensoy, E. (2021). Therapeutic efficacy and gastrointestinal biodistribution of polycationic nanoparticles for oral camptothecin delivery in early and late-stage colorectal tumor-bearing animal model. European Journal of Pharmaceutics and Biopharmaceutics, 169, 168–177. https://doi.org/10.1016/J.EJPB.2021.10.010

142. Varan, G., Varan, C., Öztürk, S. C., Benito, J. M., Esendağlı, G., & Bilensoy, E. (2021). Therapeutic Efficacy and Biodistribution of Paclitaxel-Bound Amphiphilic Cyclodextrin Nanoparticles: Analyses in 3D Tumor Culture and Tumor-Bearing Animals In Vivo. Nanomaterials 2021, Vol. 11, Page 515, 11(2), 515. https://doi.org/10.3390/NANO11020515

143. Qi, Y., Zhou, L., Han, L., Zou, H., Miao, K., & Wang, Y. (2020). PsbHLH1, a novel transcription factor involved in regulating anthocyanin biosynthesis in tree peony (Paeonia suffruticosa). Plant Physiology and Biochemistry, 154, 396–408. https://doi.org/10.1016/J.PLAPHY.2020.06.015

144. Xia, Y., Xiang, X. M., Dong, K. Y., Gong, Y. Y., & Li, Z. J. (2020). Surfactant stealth effect of microplastics in traditional coagulation process observed via 3-D fluorescence imaging. Science of The Total Environment, 729, 138783. https://doi.org/10.1016/J.SCITOTENV.2020.138783

145. Duan, F., & Song, W. (2019). Overexpression of SoCYP85A1 increases the accumulation of castasterone and confers enhanced black shank tolerance in tobacco through modulation of the antioxidant enzymes' activities. Frontiers in Plant Science, 10, 349. https://doi.org/10.3389/FPLS.2019.00349/BIBTEX

146. Heras-Garvin, A., Weckbecker, D., Ryazanov, S., Leonov, A., Griesinger, C., Giese, A., Wenning, G. K., & Stefanova, N. (2019). Anle138b modulates α-synuclein oligomerization and prevents motor decline and neurodegeneration in a mouse model of multiple system atrophy. Movement Disorders, 34(2), 255–263. https://doi.org/10.1002/mds.27562

147. Zhao, L., Niu, J., Lin, H., Zhao, J., Liu, Y., Song, Z., Xiang, C., Wang, X., Yang, Y., Li, X., Mohammadi, M., & Huang, Z. (2019). Paracrine-endocrine FGF chimeras as potent therapeutics for metabolic diseases. EBioMedicine, 48, 462–477. https://doi.org/10.1016/J.EBIOM.2019.09.052

148. Brandt, C., Nolte, H., Henschke, S., Engström Ruud, L., Awazawa, M., Morgan, D. A., Gabel, P., Sprenger, H. G., Hess, M. E., Günther, S., Langer, T., Rahmouni, K., Fenselau, H., Krüger, M., & Brüning, J. C. (2018). Food Perception Primes Hepatic ER Homeostasis via Melanocortin-Dependent Control of mTOR Activation. Cell, 175(5), 1321-1335.e20. https://doi.org/10.1016/j.cell.2018.10.015

149. Haun, F., Neumann, S., Peintner, L., Wieland, K., Habicht, J., Schwan, C., Østevold, K., Koczorowska, M. M., Biniossek, M., Kist, M., Busch, H., Boerries, M., Davis, R. J., Maurer, U., Schilling, O., Aktories, K., & Borner, C. (2018). Identification of a novel anoikis signalling pathway using the fungal virulence factor gliotoxin. Nature Communications, 9(1). https://doi.org/10.1038/s41467-018-05850-w

150. Heil, C. S., Rittner, A., Goebel, B., Beyer, D., & Grininger, M. (2018). Site-Specific Labelling of Multidomain Proteins by Amber Codon Suppression. BioRxiv. https://doi.org/10.1101/282525

151. Laban, H., Weigert, A., Zink, J., Elgheznawy, A., Schürmann, C., Günther, L., Malik, R. A., Bothur, S., Wingert, S., Bremer, R., Rieger, M. A., Brüne, B., Brandes, R. P., Fleming, I., & Benz, P. M. (2018). VASP regulates leukocyte infiltration, polarization, and vascular repair after ischemia. Journal of Cell Biology, 217(4), 1503–1519. https://doi.org/10.1083/jcb.201702048

152. Lee, Y. S., Lee, C. H., Bae, J. T., Nam, K. T., Moon, D. B., Hwang, O. K., Choi, J. S., Kim, T. H., Jun, H. O., Jung, Y. S., Hwang, D. Y., Han, S. B., Yoon, D. Y., & Hong, J. T. (2018). Inhibition of skin carcinogenesis by suppression of NF-κB dependent ITGAV and TIMP-1 expression in IL-32γ overexpressed condition. Journal of Experimental and Clinical Cancer Research, 37(1). https://doi.org/10.1186/s13046-018-0943-8

153. Marcassa, E., Kallinos, A., Jardine, J., Rusilowicz-Jones, E. V, Martinez, A., Kuehl, S., Islinger, M., Clague, M. J., & Urbé, S. (2018). Dual role of USP 30 in controlling basal pexophagy and mitophagy . EMBO Reports, 19(7). https://doi.org/10.15252/embr.201745595

154. Mizuno, T., Kinoshita, S., Maedera, S., Ito, T., & Kusuhara, H. (2018). Orthogonal linear separation analysis: An approach to decompose the complex effects of a perturbagen. BioRxiv. https://doi.org/10.1101/384446

155. Park, J., Shin, M.-S., Hwang, G., Yamabe, N., Yoo, J.-E., Kang, K., Kim, J.-C., Lee, J., Ham, J., & Lee, H. (2018). Beneficial Effects of Deoxyshikonin on Delayed Wound Healing in Diabetic Mice. International Journal of Molecular Sciences, 19(11), 3660. https://doi.org/10.3390/ijms19113660

156. Paul, E., Kiwelu, I., Mmbaga, B., Nazareth, R., Sabuni, E., Maro, A., Ndaro, A., Halliday, J. E. B., & Chilongola, J. (2018). Toxoplasma gondii seroprevalence among pregnant women attending antenatal clinic in Northern Tanzania. Tropical Medicine and Health, 46(1). https://doi.org/10.1186/s41182-018-0122-9

157. Rageot, D., Bohnacker, T., Melone, A., Langlois, J. B., Borsari, C., Hillmann, P., Sele, A. M., Beaufils, F., Zvelebil, M., Hebeisen, P., Löscher, W., Burke, J., Fabbro, D., & Wymann, M. P. (2018). Discovery and Preclinical Characterization of 5-[4,6-Bis({3-oxa-8-azabicyclo[3.2.1]octan-8-yl})-1,3,5-triazin-2-yl]-4-(difluoromethyl)pyridin-2-amine (PQR620), a Highly Potent and Selective mTORC1/2 Inhibitor for Cancer and Neurological Disorders. Journal of Medicinal Chemistry, 61(22), 10084–10105. https://doi.org/10.1021/acs.jmedchem.8b01262

158. Roh, V., Abramowski, P., Hiou-Feige, A., Cornils, K., Rivals, J. P., Zougman, A., Aranyossy, T., Thielecke, L., Truan, Z., Mermod, M., Monnier, Y., Prassolov, V., Glauche, I., Nowrouzi, A., Abdollahi, A., Fehse, B., Simon, C., & Tolstonog, G. V. (2018). Cellular Barcoding Identifies Clonal Substitution as a Hallmark of Local Recurrence in a Surgical Model of Head and Neck Squamous Cell Carcinoma. Cell Reports, 25(8), 2208-2222.e7. https://doi.org/10.1016/j.celrep.2018.10.090

159. Schmidt, A., Marabita, F., Kiani, N. A., Gross, C. C., Johansson, H. J., Éliás, S., Rautio, S., Eriksson, M., Fernandes, S. J., Silberberg, G., Ullah, U., Bhatia, U., Lähdesmäki, H., Lehtiö, J., Gomez-Cabrero, D., Wiendl, H., Lahesmaa, R., & Tegnér, J. (2018). Time-resolved transcriptome and proteome landscape of human regulatory T cell (Treg) differentiation reveals novel regulators of FOXP3. BMC Biology, 16(1). https://doi.org/10.1186/s12915-018-0518-3

160. Won, A. N., Kim, S. A., Ahn, J. Y., Han, J. H., Kim, C. H., Lee, J. H., & Kim, D. Il. (2018). HO-1 Induction by Selaginella tamariscina Extract Inhibits Inflammatory Response in Lipopolysaccharide-Stimulated RAW 264.7 Macrophages. Evidence-Based Complementary and Alternative Medicine, 2018. https://doi.org/10.1155/2018/7816923

161. Zhang, L., Ip, C. K., Lee, I. C. J., Qi, Y., Reed, F., Karl, T., Low, J. K., Enriquez, R. F., Lee, N. J., Baldock, P. A., & Herzog, H. (2018). Diet-induced adaptive thermogenesis requires neuropeptide FF receptor-2 signalling. Nature Communications, 9(1). https://doi.org/10.1038/s41467-018-06462-0

162. Zhang, W., Chen, W., Li, Z., Ma, L., Yu, J., Wang, H., Liu, Z., & Xu, B. (2018). Identification and characterization of three new cytochrome P450 genes and the use of RNA interference to evaluate their roles in antioxidant defense in apis cerana cerana fabricius. Frontiers in Physiology, 9(NOV). https://doi.org/10.3389/fphys.2018.01608

163. Zhao, X., Qi, H., Zhou, J., Xu, S., & Gao, Y. (2018). P27 protects cardiomyocytes from sepsis via activation of autophagy and inhibition of apoptosis. Medical Science Monitor, 24, 8565–8576. https://doi.org/10.12659/MSM.912750

164. Chakravarthy, M., Aung-Htut, M. T., Le, B. T., & Veedu, R. N. (2017). Novel Chemically-modified DNAzyme targeting Integrin alpha-4 RNA transcript as a potential molecule to reduce inflammation in multiple sclerosis. Scientific Reports, 7(1). https://doi.org/10.1038/s41598-017-01559-w

165. Dewenter, M., Neef, S., Vettel, C., Lämmle, S., Beushausen, C., Zelarayan, L. C., Katz, S., Von Der Lieth, A., Meyer-Roxlau, S., Weber, S., Wieland, T., Sossalla, S., Backs, J., Brown, J. H., Maier, L. S., & El-Armouche, A. (2017). Calcium/Calmodulin-Dependent Protein Kinase II Activity Persists during Chronic β-Adrenoceptor Blockade in Experimental and Human Heart Failure. Circulation: Heart Failure, 10(5). https://doi.org/10.1161/CIRCHEARTFAILURE.117.003840

166. Hughes, Q. W., Le, B. T., Gilmore, G., Baker, R. I., & Veedu, R. N. (2017). Construction of a bivalent thrombin binding aptamer and its antidote with improved properties. Molecules, 22(10). https://doi.org/10.3390/molecules22101770

167. Shibata, A., Steinlage, M., Barton, O., Juhász, S., Künzel, J., Spies, J., Shibata, A., Jeggo, P. A., & Löbrich, M. (2017). DNA Double-Strand Break Resection Occurs during Non-homologous End Joining in G1 but Is Distinct from Resection during Homologous Recombination. Molecular Cell, 65(4), 671-684.e5. https://doi.org/10.1016/j.molcel.2016.12.016

168. Yang, S., Dong, F., Li, D., Sun, H., Wu, B., Sun, T., Wang, Y., Shen, P., Ji, F., & Zhou, D. (2017). Persistent distention of colon damages interstitial cells of Cajal through Ca2+-ERK-AP-1-miR-34c-SCF deregulation. Journal of Cellular and Molecular Medicine, 21(9), 1881–1892. https://doi.org/10.1111/jcmm.13108

169. Yang, S., Wu, B., Sun, H., Sun, T., Han, K., Li, D., Ji, F., Zhang, G., & Zhou, D. (2017). Impaired insulin/IGF-1 is responsible for diabetic gastroparesis by damaging myenteric cholinergic neurones and interstitial cells of Cajal. Bioscience Reports, 37(5). https://doi.org/10.1042/BSR20170776