

References

- Alshaer, W., Zureigat, H., Karaki, A. A., Al-Kadash, A., Gharaibeh, L., Hatmal, M. M., Aljabali, A. a. A., & Awidi, A. (2021). siRNA: Mechanism of action, challenges, and therapeutic approaches. *European Journal of Pharmacology*, 905, 174178. <https://doi.org/10.1016/j.ejphar.2021.174178>
- Avgoustou, P., Jailani, A. B. A., Zirimwabagabo, J., Tozer, M. J., Gibson, K. R., Glossop, P. A., Mills, J. L., Porter, R. A., Blaney, P., Bungay, P. M., Wang, N., Shaw, A. T., Bigos, K. J. A., Holmes, J. H., Warrington, J. I., Skerry, T. M., Harrity, J. P. A., & Richards, G. (2020). Discovery of a First-in-Class Potent Small Molecule Antagonist against the Adrenomedullin-2 Receptor. *ACS Pharmacology & Translational Science*, 3(4), 706–719. <https://doi.org/10.1021/acsptsci.0c00032>
- Baeuerle, P. A. (1998). Pro-inflammatory signaling: Last pieces in the NF- κ B puzzle? *Current Biology*, 8(1), R19–R22. [https://doi.org/10.1016/s0960-9822\(98\)70010-7](https://doi.org/10.1016/s0960-9822(98)70010-7)
- Blom, J. D., Giove, T. J., Pong, W. W., Blute, T. A., & Eldred, W. D. (2012). Evidence for a functional adrenomedullin signaling pathway in the mouse retina. *PubMed*. <https://pubmed.ncbi.nlm.nih.gov/22690112>
- Cancer Research UK (2023). *Pancreatic cancer statistics*. <https://www.cancerresearchuk.org/health-professional/cancer-statistics/statistics-by-cancer-type/pancreatic-cancer>
- Chen, P., Huang, Y., Bong, R., Ding, Y., Song, N., Wang, X. F., Song, X., & Luo, Y. (2011). Tumor-Associated Macrophages Promote Angiogenesis and Melanoma Growth via Adrenomedullin in a Paracrine and Autocrine Manner. *Clinical Cancer Research*, 17(23), 7230–7239. <https://doi.org/10.1158/1078-0432.ccr-11-1354>
- Dana, H. (2017). *Molecular Mechanisms and Biological Functions of siRNA*. PubMed Central (PMC). <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5542916/>
- De Graaf, C., Song, G., Cao, C., Zhao, Q., Wang, M., Wu, B., & Stevens, R. C. (2017). Extending the Structural View of Class B GPCRs. *Trends in Biochemical Sciences*, 42(12), 946–960. <https://doi.org/10.1016/j.tibs.2017.10.003>
- Drimal, D., & Drimal, J. (2006). The regulation of human adrenomedullin (AM) and tumor necrosis factor alpha (TNF-alpha) receptors on human epithelial carcinoma (HeLa) cells. The role of AM secretion in tumor cell sensitivity. *Neoplasma*, 53(2), 144–149. <https://pubmed.ncbi.nlm.nih.gov/16575470/>
- Garayoa, M., Martínez, J. A., Lee, M., Pio, R., An, W. S., Neckers, L., Trepel, J. B., Montuenga, L. M., Ryan, H. S., Johnson, R. S., Gassmann, M., & Cuttitta, F. (2000). Hypoxia-Inducible Factor-1 (HIF-1) Up-Regulates Adrenomedullin Expression in Human Tumor Cell Lines during Oxygen Deprivation: A Possible Promotion Mechanism of Carcinogenesis. *Molecular Endocrinology*, 14(6), 848–862. <https://doi.org/10.1210/mend.14.6.0473>
- Hay, D. L., & Pioszak, A. A. (2016). Receptor Activity-Modifying Proteins (RAMPs): New Insights and Roles. *Annual Review of Pharmacology and Toxicology*, 56(1), 469–487. <https://doi.org/10.1146/annurev-pharmtox-010715-103120>

- Hay, D. L., Poyner, D. R., & Sexton, P. M. (2006). GPCR modulation by RAMPs. *Pharmacology & Therapeutics*, *109*(1–2), 173–197. <https://doi.org/10.1016/j.pharmthera.2005.06.015>
- Hofbauer, K., Schoof, E., Kurtz, A., & Sandner, P. (2002). Inflammatory Cytokines Stimulate Adrenomedullin Expression Through Nitric Oxide-Dependent and -Independent Pathways. *Hypertension*, *39*(1), 161–167. <https://doi.org/10.1161/hy1201.097201>
- Jailani, A. B. A., Bigos, K. J. A., Avgoustou, P., Egan, J. R., Hathway, R., Skerry, T. M., & Richards, G. (2022). Targeting the adrenomedullin-2 receptor for the discovery and development of novel anti-cancer agents. *Expert Opinion on Drug Discovery*, *17*(8), 839–848. <https://doi.org/10.1080/17460441.2022.2090541>
- Keleg, S., Kayed, H., Jiang, X., Penzel, R., Giese, T., Büchler, M. W., Friess, H., & Kleeff, J. (2007). Adrenomedullin is induced by hypoxia and enhances pancreatic cancer cell invasion. *International Journal of Cancer*, *121*(1), 21–32. <https://doi.org/10.1002/ijc.22596>
- Li, J. C., Ng, E. Y. K., Ng, Y., Wong, C., Yu, J., Jin, H. Q., Cheng, V., Go, M., Cheung, P., Ebert, M. P., Tong, J., To, K. F., Chan, F. T., Sung, J. J., Ip, N. Y., & Leung, W. K. (2009). Identification of retinoic acid-regulated nuclear matrix-associated protein as a novel regulator of gastric cancer. *British Journal of Cancer*, *101*(4), 691–698. <https://doi.org/10.1038/sj.bjc.6605202>
- Logsdon, C. D., Simeone, D. M., Binkley, C. E., Arumugam, T., Greenson, J. K., Giordano, T. J., Misek, D. E., & Hanash, S. M. (2003). Molecular profiling of pancreatic adenocarcinoma and chronic pancreatitis identifies multiple genes differentially regulated in pancreatic cancer. *PubMed*, *63*(10), 2649–2657. <https://pubmed.ncbi.nlm.nih.gov/12750293>
- Lv, Y., Peng, L., Wang, Q., Chen, N., Teng, Y., Wang, T., Mao, F., Zhang, J., Cheng, P., Liu, Y., Kong, H., Wu, X., Hao, C., Chen, W., Zhu, J., Han, B., Ma, Q., Li, K., Zou, Q., & Zhuang, Y. (2018). Degranulation of mast cells induced by gastric cancer-derived adrenomedullin prompts gastric cancer progression. *Cell Death and Disease*, *9*(10). <https://doi.org/10.1038/s41419-018-1100-1>
- Mancinelli, S., Turcato, A., Kisslinger, A., Bongiovanni, A., Zazzu, V., Lanati, A., & Liguori, G. L. (2021). Design of transfections: Implementation of design of experiments for cell transfection fine tuning. *Biotechnology and Bioengineering*, *118*(11), 4488–4502. <https://doi.org/10.1002/bit.27918>
- McGuigan, A. J., Kelly, P., Turkington, R. C., Jones, C., Coleman, H. G., & McCain, R. S. (2018). Pancreatic cancer: A review of clinical diagnosis, epidemiology, treatment and outcomes. *World Journal of Gastroenterology*, *24*(43), 4846–4861. <https://doi.org/10.3748/wjg.v24.i43.4846>
- Nikitenko, L. L., Fox, S. B., Kehoe, S. M., Rees, M. J., & Bicknell, R. (2006). Adrenomedullin and tumour angiogenesis. *British Journal of Cancer*, *94*(1), 1–7. <https://doi.org/10.1038/sj.bjc.6602832>
- Ouafik, L., Berenguer-Daizé, C., & Berthois, Y. (2009). Adrenomedullin promotes cell cycle transit and up-regulates cyclin D1 protein level in human glioblastoma cells through the activation of c-Jun/JNK/AP-1 signal transduction pathway. *Cellular Signalling*, *21*(4), 597–608. <https://doi.org/10.1016/j.cellsig.2009.01.001>

- Pancreatic Cancer UK. (2023). *Pancreatic cancer statistics - Pancreatic Cancer UK*. <https://www.pancreaticcancer.org.uk/what-we-do/media-centre/pancreatic-cancer-statistics/>
- Puckett, Y. (2022, September 26). *Pancreatic Cancer*. StatPearls - NCBI Bookshelf. <https://www.ncbi.nlm.nih.gov/books/NBK518996/>
- Qian, X., Jiang, C., Shen, S., & Zou, X. (2021). GPRC5A: An emerging prognostic biomarker for predicting malignancy of Pancreatic Cancer based on bioinformatics analysis. *Journal of Cancer*, 12(7), 2010–2022. <https://doi.org/10.7150/jca.52578>
- Ramachandran, V., Arumugam, T., Hwang, R. F., Greenson, J. K., Simeone, D. M., & Logsdon, C. D. (2007). Adrenomedullin Is Expressed in Pancreatic Cancer and Stimulates Cell Proliferation and Invasion in an Autocrine Manner via the Adrenomedullin Receptor, ADMR. *Cancer Research*, 67(6), 2666–2675. <https://doi.org/10.1158/0008-5472.can-06-3362>
- Rikarni, R. (2021). Pancreatic Cancer: Pathogenesis, Diagnosis, and Laboratory Tests. *Indonesian Journal of Clinical Pathology and Medical Laboratory*, 27(3), 333–340. <https://doi.org/10.24293/ijcpml.v27i3.1891>
- Routledge, S. J., Ladds, G., & Poyner, D. R. (2017). The effects of RAMPs upon cell signalling. *Molecular and Cellular Endocrinology*, 449, 12–20. <https://doi.org/10.1016/j.mce.2017.03.033>
- Sarı, C. (2019). A comparative study of MTT and WST-1 assays in cytotoxicity analysis. *Haydarpaşa Numune Hastanesi Tıp Dergisi*. <https://doi.org/10.14744/hnhj.2019.16443>
- Schober, M., Jesenofsky, R., Faissner, R., Weidenauer, C., Haggmann, W., Michl, P., Heuchel, R., Haas, S., & Löhr, M. (2014). Desmoplasia and Chemoresistance in Pancreatic Cancer. *Cancers*, 6(4), 2137–2154. <https://doi.org/10.3390/cancers6042137>
- Turabelidze, A., Guo, S., & DiPietro, L. A. (2010). Importance of housekeeping gene selection for accurate reverse transcription-quantitative polymerase chain reaction in a wound healing model. *Wound Repair and Regeneration*, 18(5), 460–466. <https://doi.org/10.1111/j.1524-475x.2010.00611.x>
- Vázquez, R., Riveiro, M., Berenguer-Daizé, C., O’Kane, A., Gormley, J., Touzelet, O., Rezai, K., Bekradda, M., & Ouafik, L. (2021). Targeting Adrenomedullin in Oncology: A Feasible Strategy With Potential as Much More Than an Alternative Anti-Angiogenic Therapy. *Frontiers in Oncology*, 10. <https://doi.org/10.3389/fonc.2020.589218>
- Whatcott, C. J. (2012). *Desmoplasia and chemoresistance in pancreatic cancer*. Pancreatic Cancer and Tumor Microenvironment - NCBI Bookshelf. <https://www.ncbi.nlm.nih.gov/books/NBK98939/>
- Zhao, Z., & Liu, W. (2020). Pancreatic Cancer: A Review of Risk Factors, Diagnosis, and Treatment. *Technology in Cancer Research & Treatment*, 19, 153303382096211. <https://doi.org/10.1177/1533033820962117>
- Zirimwabagabo, J., Jailani, A. B. A., Avgoustou, P., Tozer, M. J., Gibson, K. R., Glossop, P. A., Mills, J. L., Porter, R. A., Blaney, P., Wang, N., Skerry, T. M., Richards, G., & Harrity, J. P. A. (2021). Discovery of a First-In-Class Small Molecule Antagonist against the Adrenomedullin-2