Peer Reviewed Publications

Publications:...**42**.....
Book chapter: **2**

LIST OF PUBLICATIONS:

1. O'Sullivan FLA, **Das AV** and Rojas-Ríos P (2025) Editorial: Functional implications of Piwi proteins and piRNAs in stem cell maintenance and development. *Front. Cell Dev. Biol.* 13:1583955. doi: 10.3389/fcell.2025.1583955.
2. Mahajan K, **Das AV**, Alahari SK, Pothuraju R, Nair SA. MicroRNA-532-3p Modulates Colorectal Cancer Cell Proliferation and Invasion via Suppression of FOXM1. *Cancers* (Basel). 2024 Sep 2;16(17):3061. doi: 10.3390/cancers16173061.
3. Kunnummal M, Raveendran PS, Basu B, Rani SV, Paul RA, Kuppusamy K, Angelin M, Issac J, James J, **Das AV*.** (2023) HPV16 E6/E7-mediated regulation of PiwiL1 expression induces tumorigenesis in cervical cancer cells. *Cell Oncol* (Dordr). Dec 1. doi: 10.1007/s13402-023-00904-8. Epub ahead of print. PMID: 38036929 ((IF: 6.6).
4. Issac J, Raveendran PS, Midhunaraj K, Angelin M, Swathy R, Basu B, **Das AV***. RXR agonist, Bexarotene, effectively reduces drug resistance via regulation of RFX1 in embryonic carcinoma cells, *Biochimica et Biophysica Acta (BBA) - Molecular Cell Research*, 2023, 119510, https://doi.org/10.1016/j.bbamcr.2023.119510.
5. Riya PA, Basu B, Surya S, Parvathy S, Lalitha S, Jyothi NP, Meera V, Jaikumar VS, Sunitha P, Shahina A, Sukumaran R, Nair AS, Dhanesh SB, Jiffy J, Nelson-Sati S, Maliekal TT, **Das AV**, James J. HES1 promoter activation dynamics reveal the plasticity, stemness and heterogeneity in neuroblastoma cancer stem cells. *J Cell Sci*. 2022 Nov 15;135(22):jcs260157. doi: 10.1242/jcs.260157. Epub 2022 Nov 18. PMID: 36321463.
6. Kunnummal M, Angelin M, **Das AV***. PIWI proteins and piRNAs in cervical cancer: a propitious dart in cancer stem cell-targeted therapy. *Hum Cell*. 2021 Nov;34(6):1629-1641. doi: 10.1007/s13577-021-00590-4. Epub 2021 Aug 9. PMID: 34374035.
7. Issac J, Raveendran PS, **Das AV***. RFX1: a promising therapeutic arsenal against cancer. *Cancer Cell Int*. 2021 May 8;21(1):253. doi: 10.1186/s12935-021-01952-6. PMID: 33964962; PMCID: PMC8106159.
8. Lalitha S, Basu B, Surya S, Meera V, Riya PA, Parvathy S, **Das AV**, Sivakumar KC, Nelson-Sathi S, James J. Pax6 modulates intra-retinal axon guidance and fasciculation of retinal ganglion cells during retinogenesis. *Sci Rep*. 2020 Sep 30;10(1):16075. doi: 10.1038/s41598-020-72828-4.
9. Shankar S, Sreekumar A, Prasad D, **Das AV** and Pillai MR. Genome editing of oncogenes with ZFNs and TALENs: caveats in nuclease design. Cancer Cell International (2018); 18:169. doi: 10.1186/s12935-018-0666-0.
10. Shankar, S., Prasad, D., Sanawar, R., **Das AV**. and Pillai MR. TALEN based HPV-E7 editing triggers necrotic cell death in cervical cancer cells. *Sci Rep* 7, 5500 (2017). https://doi.org/10.1038/s41598-017-05696-0
11. Sreekanth S, Rasheed VA, Soundararajan L, Antony J, Saikia M, Sivakumar KC, **Das AV***. miR Cluster 143/145 Directly Targets Nrl and Regulates Rod Photoreceptor Development. *Mol Neurobiol*. 2017 Dec;54(10):8033-8049. doi: 10.1007/s12035-016-0237-0. Epub 2016 Nov 23. PMID: 27878762.
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17. Jagatha B, Divya MS, Sanalkumar R, Indulekha CL, Vidyanand S, Divya TS, **Das AV** and Jackson James. (2009). In vitro differentiation of retinal ganglion-like cells from embryonic stem cell derived neural progenitors. *BiochemBiophys Res Commun*. Mar 6;380(2):230-5.
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25. **Das AV**, Chathu F, Paulose CS (2006). Decreased alpha(2)-adrenergic receptor in the brain stem and pancreatic islets during pancreatic regeneration in weanling rats. *Life Sci*. 79(16): 1507-13.
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39. Bhattachrya S, Jackson JD, **Das AV**, Thoreson B, Kuszynski C, James J, Joshi S, Ahmad I (2003) Direct identification and enrichment of retinal stem cells/progenitors by Hoechst dye efflux assay. *Invest Ophthalmol Vis Sci.* 44(6): 2764-73.
40. Chacko DM, **Das AV**, Zhao X, James J, Bhattacharya S, Ahmad I (2003) Transplantation of ocular stem cells: the role of injury in incorporation and differentiation of grafted cells in the retina. *Vision Res*. 43(8):937-46.
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BOOK CHAPTERS:

1. **Das, AV**, Jackson James, Sreekumaran Edakkot and Ahmad, I (2004) Retinal stem cells: In Stem cells and CNS development. Neural Development and Stem Cells 2nd edition, edited by Mahendra S. Rao, M.D., .Humana Press.
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