

PUBLICATIONS

1. Karthika CL, Vani Venugopal, Sreelakshmi BJ, Krithika S, Jaya Mary Thomas, Mathew Abraham, Kartha CC, Rajavelu A, **Sumi S***. Oscillatory shear stress modulates Notch-mediated endothelial mesenchymal plasticity in cerebral arteriovenous malformations. *Cellular & Molecular Biology Letters*. 2023 28:22. DOI 10.1186/s11658-023-00436-x.*Corresponding author (IF 8.7).
2. Thomas JM, Sasankan D, Abraham M, **Sumi S**, Kartha CC, Rajavelu A. DNA methylation signatures on vascular differentiation genes are aberrant in vessels of human cerebral arteriovenous malformation nidus. *Clinical Epigenetics*. 2022 Oct 13; 14(1):127. doi: 10.1186/s13148-022-01346-z. ISSN: 1868-7083, (IF 7.259).
3. Vani Venugopal and **Sumi S***. Molecular biomarkers and drug targets in brain arteriovenous and cavernous malformations: where are we? *Stroke*, 2022 Jan; 53(1):279-289. <https://doi.org/10.1161/STROKEAHA.121.035654>, ISSN 0039-2499. *Corresponding author (IF 10.170)
4. Karthika CL, Ahalya S, Vyshna Beena, BinilRaj SS, RaviKumar B Lakkappa, Ravi Kalyani, Radhakrishnan N, Kalpana SR, Kartha CC, **Sumi S***. Shear stress alterations activate BMP4/pSMAD5 signaling and induce endothelial mesenchymal transition in varicose veins. *Cells*, 2021; 10(12), 3563. <https://doi.org/10.3390/cells10123563>, ISSN 2073-4409. *Corresponding author (IF 7.666)
5. Verma A, **Sumi S** and Seervi M. Heat shock proteins-driven stress granule dynamics: yet another avenue for cell survival. *Apoptosis*, 2021; 26(7-8):371-384. <https://doi.org/10.1007/s10495-021-01678-w>, ISSN 1360-8185. (IF 5.561)
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9. Mahendra Seervi, **Sumi S**, Aneesh Chandrasekharan, Abhay K. Sharma, T. R. Santhosh Kumar. Molecular profiling of anastatic cancer cells: potential role of the nuclear export pathway. *Cellular oncology*, 2019 Oct; 42(5):645-661. doi: 10.1007/s13402-019-00451-1, ISSN 2211-3436 (IF 7.051)
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BOOK CHAPTERS

1. **Sumi S*** and Kartha CC. Genetic and Epigenetic Regulation by Gut Microbe-Modulated Metabolites in Chronic Metabolic Diseases. In: Thomas, S. (eds) *Human Microbiome*. Springer, Singapore. 2022. https://doi.org/10.1007/978-981-16-7672-7_5, ISSN 978-981-16-7671. *Corresponding author.
2. **Sumi S*** and C.C. Kartha. Role of Non-coding RNAs in Vascular Complications of Diabetes Mellitus. In *Mechanisms of Vascular Defects in Diabetes Mellitus*, Advances in Biochemistry in Health and Disease 17. Eds. Kartha CC, Ramachandran S, Pillai MR. Springer International Publishing. 2017; 341- 357. DOI 10.1007/978-3-319-60324-7_15. ISSN 978-331-9603230. *Corresponding author.
3. **Sumi S**, A Mathai, VV Radhakrishnan. Dot-immunobinding assay. In *Methods Molecular Biology*. Eds. Kurien BT & Scofield RH. Towata, NJ: Humana Press Inc., 2009; 536:89-93. (Published again as *Methods Mol Biol*. 2015; 1312:105-8. doi: 10.1007/978-1-4939-2694-7_14.) ISSN 1940-6029.
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