

PUBLICATIONS

1. Karthika CL#, Ahalya S#, Radhakrishnan N, Kartha CC, **Sumi S***. Hemodynamics mediated epigenetic regulators in the pathogenesis of vascular diseases. *Molecular and Cellular Biochemistry*, 2020; <https://doi.org/10.1007/s11010-020-03890-9>.
*Corresponding author.
2. 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; 42(5):645-661.
3. Thomas JM, **Sumi S**, Abraham M, Sasankan D, Bhaadri S, Rajavelu A, CC Kartha. Gene expression analysis of nidus of cerebral arteriovenous malformations reveals vascular structures with deficient differentiation and maturation. *PLoS ONE* 2018; 13(6): e0198617.
4. N Radhakrishnan, Deepu George, R Jayakrishnan, **Sumi S***, CC Kartha*. Vein size and disease severity in chronic venous diseases. *International Journal of Angiology* 2018; 27(4):185-189.* Co-corresponding author.
5. **Sumi S**, Surya Ramachandran, V Raman Kutty, Maulin M Patel, Anand TN, Ajit Mullassari, CC Kartha. ENPP1 121Q functional variant enhances susceptibility to coronary artery disease in South Indian patients with type 2 diabetes mellitus. *Molecular and Cellular Biochemistry* 2017 435:67–72.
6. Thomas JM, **Sumi S**, Abraham M, Rajavelu A, CC Kartha. Genetic and epigenetic mechanisms in the development of arteriovenous malformations in the brain. *Clinical Epigenetics* 2016 8:78.
7. **Sumi S**, Kalpana SR, Aarcha Suresh, Binil Raj SS, Ravi Kumar B Lakkappa, Giridhar Kamalapurkar, Radhakrishnan N, CC Kartha. Arterialization and anomalous vein wall remodeling in varicose veins is associated with upregulated FoxC2-Dll4 pathway. *Laboratory Investigation* 2016;96(4):399-408.
8. Vinitha A, Raman Kutty V, Vivekanand A, Reshmi G, Divya G, **Sumi S**, Santosh KR, Pratapachandran NS, Ajit Mullassari, Kartha CC, Surya Ramachandran. PPIA rs6850: A > G single-nucleotide polymorphism is associated with raised plasma

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9. **Sumi S**, Surya Ramachandran, V Raman Kutty, Maulin M Patel, Anand TN, Ajit Mullassari, C C Kartha. Nonsynonymous T280M gene variant of *CX3CR1* in South Indian population is associated with reduced risk for vascular disease in patients with diabetes mellitus. *Current Research: Cardiology* 2015; 2 (4): 188-192.

10. **Sumi S**, Athira G, Radhakrishnan Nair, Kalpana SR, Divya H. Nair, Jissa VT, Ravikumar BL, Giridhar Kamalapurkar, Kartha CC. Forkhead box C2 promoter variant c.-512C>T is associated with increased susceptibility to chronic venous diseases. *PLoS ONE* 2014; 9(3): e90682.

11. **Sumi S** and Radhakrishnan VV. Diagnostic significance of humoral immune responses to recombinant antigens of *Mycobacterium tuberculosis* in patients with pleural tuberculosis. *Journal of Clinical Laboratory Analysis* 2010; 24: 283-8.

12. **Sumi S**, Madhavalatha GK, Sathish Mundayoor, Annamma Mathai and Radhakrishnan VV. Assessment of four recombinant mycobacterial antigens as serodiagnostic markers for pulmonary tuberculosis. *Journal of Clinical Medicine and Research* 2009; 1(3): 35-40.

13. **Sumi S** and Radhakrishnan VV. Evaluation of immunohistochemistry with a panel of antibodies against recombinant mycobacterial antigens for the diagnosis of tuberculous lymphadenitis. *International Journal of Medicine and Medical Sciences* 2009; 1 (5): 215-219.

14. Anie Y, **Sumi S**, Varghese P, Madhavi LG, Sathish M, Radhakrishnan VV. Diagnostic approaches in patients with tuberculous pleural effusion. *Diagnostic Microbiology and Infectious Diseases* 2007; 59(4):389-394.

15. Jegan Roy, **Sumi S**, K Sangeetha, T Emilia Abraham. Chemical modification and immobilization of Papain. *Journal of Chemical Technology & Biotechnology* 2005; 80:184-188.

CHAPTERS IN BOOK

1. **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.

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2. **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.)

3. A Mathai, MG Sumi, **Sumi S**, Y Anie, VV Radhakrishnan. Immunology of neurotuberculosis. In *Reviews in Neurology*. Eds. Arun B Taly & Gagandeep Singh, Indian Academy of Neurology, 2009: 265-294.