

PUBLICATIONS

1. 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, Accepted.
2. **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. doi: 10.1007/s11010-017-3057-2.
3. N Radhakrishnan, Deepu George, R Jayakrishnan, **S Sumi ***, CC Kartha*. Vein size and disease severity in chronic venous diseases. *International Journal of Angiology*. Accepted.
* Co-corresponding author.
4. 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. doi. 10.1186/s13148-016-0248-8.
5. **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 Apr; 96(4):399-408. doi: 10.1038/labinvest.2015.167. ISSN: 0023-6837, (IF 4.254)
6. 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 cyclophilin A levels in patients with coronary artery disease. *Molecular and Cellular Biochemistry* 2016 Jan;412(1-2):259-68. doi: 10.1007/s11010-015-2632-7.
7. **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.

8. **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. doi:10.1371/journal.pone.0090682.
9. **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: doi: 10.1002/jcla.20401. 283–288.
10. **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. doi 10.5897/JCMR.
11. **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. doi: 10.5897/IJMMS.
12. 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. doi:10.1016/j.diagmicrobio.2007.06.022.
13. Jegan Roy, **Sumi S**, K Sangeetha, T Emilia Abraham. Chemical modification and immobilization of Papain. *Journal of Chemical Technology & Biotechnology* 2005; 80:184-188. doi: 10.1002/jctb.1177.

BOOK CHAPTERS

1. **S Sumi*** 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. *Corresponding author.
2. **S Sumi**, 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, **S Sumi**, Y Anie, VV Radhakrishnan. Immunology of neurotuberculosis. In *Reviews in Neurology*. Eds. Arun B Taly & Gagandeep Singh, Indian Academy of Neurology, 2009: 265-294.

PROCEEDINGS

1. **S Sumi**, CC Kartha. Foxc2-Dll4 pathway is associated with arterialization and abnormal vein wall remodeling in varicose veins, at the 8th International Conference on "Translational Research in Cardiovascular Sciences" India section conference of International Academy of Cardiovascular Sciences (IACS), 2016: 50.
2. Y Anie, **S Sumi**, VV Radhakrishnan. Diagnostic utility of serum IgG antibody to lipid antigens of mycobacterium tuberculosis in patients with pulmonary tuberculosis, at the 19th Kerala Science Congress, 2007: 268-269.
3. **S Sumi**, Y Anie, VV Radhakrishnan. Diagnostic approaches in pleural tuberculosis, at the 18th Kerala Science Congress, 2006: 444-445.
4. Y Anie, **S Sumi**, VV Radhakrishnan. Diagnosis of tuberculous lymphadenitis-an immunological and molecular approach, at the 18th Kerala Science Congress, 2006: 444-445
5. VV Radhakrishnan, **S Sumi**, Y Anie. Pathology of Neurotuberculosis- in the proceedings of continuing medical education program- Recent trends in the diagnosis of tuberculosis, at the 54th annual conference of Indian Association of Pathologists and Microbiologists 2005 ;(D): 45-71.