

## List of Publications

**Ramachandran S**, Anandan V, Kutty VR, Mullasari A, Pillai MR, Kartha CC. Metformin attenuates effects of cyclophilin A on macrophages, reduces lipid uptake and secretion of cytokines by repressing decreased AMPK activity. **Clinical Science**. 2018 Jan 30;CS20171523.

**Ramachandran S**, Vinitha A, Kartha CC. Cyclophilin A enhances macrophage differentiation and lipid uptake in high glucose conditions: a cellular mechanism for accelerated macro vascular disease in diabetes mellitus. **Cardiovascular diabetology**. 2016 Dec; 15(1):152.

Kuriakose MA, Ramdas K, Dey B, Iyer SS, Rajan G, Elango KK, Suresh A, Ravindran D, Kumar R, Prathiba R, **Ramachandran S**. A randomized double-blind placebo-controlled phase IIB trial of curcumin in oral leukoplakia. **Cancer Prevention Research**. 2016 Jan 1: canprevres-0390.

Sumi S, **Ramachandran S**, RamanKutty V, Patel MM, Anand TN, Mullasari AS, Kartha CC. ENPP1 121Q functional variant enhances susceptibility to coronary artery disease in South Indian patients with type 2 diabetes mellitus. **Molecular and cellular biochemistry**. 2017 Nov 1; 435 (1-2):67-72.

Vinitha A, Kutty VR, Vivekanand A, Reshmi G, Divya G, Sumi S, Santosh KR, Pratapachandran NS, Ajit MS, Kartha CC, **Ramachandran S**. 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 1; 412(1-2):259-68.

Sumi S, **Ramachandran S**, Kutty VR, Patel MM, An T, Mullasari A, Kartha CC. 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).

**Ramachandran S**, Venugopal A, Kutty VR, Vinitha A, Divya G, Chitrasree V, Mullasari A, Pratapchandran NS, Santosh KR, Pillai MR, Kartha CC. Plasma level of cyclophilin A is increased in patients with type 2 diabetes mellitus and suggests presence of vascular disease. **Cardiovascular diabetology**. 2014 Dec; 13(1):38.

Kumar MM, Adurthi S, **Ramachandran S**, Mukherjee G, Joy O, Krishnamurthy H, Krishna S, Bafna UD, Uma DK, Jayshree RS. Toll-like receptors 7, 8, and 9 expression and function in primary human cervical cancer Langerhans cells: evidence of anergy. **International Journal of Gynecological Cancer**. 2013 Jan 1; 23(1):184-92.

**Ramachandran S**, Venugopal A, Charles S, Chandran NP, Mullasari A, Pillai MR, Kartha CC. Proteomic profiling of high glucose primed monocytes identifies cyclophilin

A as a potential secretory marker of inflammation in type 2 diabetes. **Proteomics**. 2012 Sep; 12(18):2808-21.

**Ramachandran S**, Kartha CC. Cyclophilin-A: a potential screening marker for vascular disease in type-2 diabetes. **Canadian journal of physiology and pharmacology**. 2012 May 30; 90(8):1005-15.

Reshmi G, Charles S, James P, Jijith VS, Prathibha R, **Ramachandran S**, Divya R, Ramadas K, Pillai MR. OrCa-dB: A complete catalogue of molecular and clinical information in oral carcinogenesis. **Oral oncology**. 2012 Jun 1; 48(6):e19.

Nair G, Ajithkumar S, **Ramachandran S**, Kartha CC. Drug induced endothelial dysfunction: functional role of oxidative stress. **IIOAB JOURNAL**. 2011 Jul 1; 2(6):62-70.

Reshmi G, **Ramachandran S**, Jissa VT, Babu PS, Preethi NR, Santhi WS, Jayaprakash PG, Pillai MR. C–T variant in a miRNA target site of BCL2 is associated with increased risk of human papilloma virus related cervical cancer—An *in silico* approach. **Genomics**. 2011 Sep 30; 98(3):189-93.

Reshmi G, Chandra SV, Babu VJ, Babu PS, Santhi WS, **Ramachandran S**, Lakshmi S, Nair AS, Pillai MR. Identification and analysis of novel microRNAs from fragile sites of human cervical cancer: computational and experimental approach. **Genomics**. 2011 Jun 30; 97(6):333-40.

**Ramachandran S**, Pillai MR, Kumar H, Nair P. Analysis of GSTM1 and CYP1A1 genes in tropical chronic pancreatitis: a pilot study. **IJEM**. 2008; 12(5):3-6.

**Ramachandran S**, Ramadas K, Hariharan R, Kumar RR, Pillai MR. Single nucleotide polymorphisms of DNA repair genes XRCC1 and XPD and its molecular mapping in Indian oral cancer. **Oral oncology**. 2006 Apr 1; 42(4):350-62

### **Books edited**

Kartha CC, **Ramachandran S**, Pillai RM, editors. Mechanisms of Vascular Defects in Diabetes Mellitus. **Springer International Publishing**; 2017 Aug 1.

### **Chapters in book**

**Ramachandran S**, Pillai RM, Kartha CC. Monocyte Factors in Pathogenesis of Vascular Lesions in Diabetes. In Mechanisms of Vascular Defects in Diabetes Mellitus 2017 (pp. 141-158). **Springer**, Cham.