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Assistant Professor of Pathology
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Department of Pathology
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Licenses & Certifications

Medical Licenses

Missouri, Utah, Washington and Virginia

Board Certifications

American Board of Pathology - Molecular Genetic Pathology
American Board of Pathology - Anatomic and Clinical Pathology

Education

Postgraduate Medical Training

Resident in Anatomic and Clinical Pathology - Saint Louis University School of Medicine
Fellow in Molecular Genetic Pathology - University of Utah/ ARUP laboratories
Fellow in Renal Pathology - University of Washington - Seattle

Medical Education

Coimbatore Medical College, Coimbatore, India

Graduate Education

Doctor of Philosophy
Department of Biology and Biochemistry
University of Houston

Professional Organizations

Association of Molecular Pathology (AMP)

Digital Pathology Association (DPA)

United States and Canadian Academy of Pathology (USCAP)

American Society for Clinical Pathology (ASCP)

Publications

Peer Reviewed Publications

Muthusamy, S., Andersson, S., Kim, H.J., Butler, R., Waage, L., Bergerheim, U. & Gustafsson, J.A. (2011), "Estrogen receptor beta and 17 beta-hydroxysteroid dehydrogenase type 6, a growth regulatory pathway that is lost in prostate cancer", Proceedings of the National Academy of Sciences of the United States of America, vol. 108, no. 50, pp. 20090-20094.

Candelaria, N.R., Weldon, R., **Muthusamy, S.**, Nguyen-Vu, T., Addanki, S., Yoffou, P.H., Karaboga, H., Blessing, A.M., Bollu, L.R., Miranda, R.C. & Lin, C.Y. (2015), "Alcohol Regulates Genes that Are Associated with Response to Endocrine Therapy and Attenuates the Actions of Tamoxifen in Breast Cancer Cells", PloS one , vol. 10, no. 12, pp. e0145061.

Xiang, X., Wang, Y., Zhang, H., Piao, J., **Muthusamy, S.**, Wang, L., Kang, N. (2018). Vasodilator-stimulated phosphoprotein promotes liver metastasis of gastrointestinal cancer by activating a β 1-integrin-FAK-YAP1/TAZ signaling pathway. NPJ Precision Oncology , 2(1), 2.

Lidberg KA, **Muthusamy S**, Adil M, Mahadeo A, Yang J, Patel RS, Wang L, Bammler TK, Reichel J, Yeung CK, Himmelfarb J, Kelly EJ, Akilesh S. Serum Protein Exposure Activates a Core Regulatory Program Driving Human Proximal Tubule Injury. J Am Soc Nephrol. 2022 May;33(5):949-965. doi: 10.1681/ASN.2021060751. Epub 2022 Feb 23. PMID: 35197326; PMCID: PMC9063895.

Gupta S, Folpe AL, Torres-Mora J, Reuter VE, Zuckerman JE, Falk N, Stanton ML, **Muthusamy S**, Smith SC, Sharma V, Sethi S, Herrera-Hernandez L, Jimenez RE, Cheville JC. Immunohistochemical expression of renin and GATA3 help distinguish

juxtaglomerular cell tumors from renal glomus tumors. Hum Pathol. 2022 Oct;128:110-123. doi: 10.1016/j.humpath.2022.07.016. Epub 2022 Aug 1. PMID: 35926808.