

MMI 291 Seminar Series

Current Theme: Interdisciplinary Research
Winter Quarter 2023 – CRN 33382

Friday Seminar at 12:10-1 p.m.
GBSF Auditorium, Room 1005

“A TRIM37 risk variant rs57141087 contributes to triple-negative breast cancer onset and progression in African American women”

Research Bio

Rachisan Djiake is a fifth-year Ph.D. student enrolled at the University of Virginia (UVA). She is currently working with Dr. Sanchita Bhatnagar in the Department of Medical Microbiology and Immunology. She moved to Davis in September 2021 when Dr. Bhatnagar's laboratory relocated from UVA to UC Davis. The lab is driven to develop cutting-edge tools and therapeutics for key areas of medical research, with an emphasis on childhood neurodevelopmental disorders and breast cancer. She is interested in cancer disparities, specifically triple negative breast cancer disparities. Her research focuses at understanding the role of TRIM37 as a genetic determinant of increased metastatic TNBC in African American women. Clinically, this could be used as a strategic risk factor for effective screening of TNBC patients.

Publications

Tihagam RD, Bhatnagar S. “A multi-platform normalization method for meta-analysis of gene expression data”. *Methods*. 2023 Sep;217:43-48. doi: 10.1016/j.ymeth.2023.06.012. Epub 2023 Jul 7. PMID: 37423473.

Przanowski P, Lou S, **Tihagam RD**, Mondal T, Conlan C, Shivange G, Saltani I, Singh C, Xing K, Morris BB, Mayo MW, Teixeira L, Lehmann-Che J, Tushir-Singh J, Bhatnagar S. “Oncogenic TRIM37 Links Chemoresistance and Metastatic Fate in Triple-Negative Breast Cancer”. *Cancer Res*. 2020 Nov 1;80(21):4791-4804. doi: 10.1158/0008-5472.CAN-20-1459. Epub 2020 Aug 27. PMID: 32855208; PMCID: PMC7731897.

February
23



Rachisan Djiake Tihagam

Ph.D. Candidate
Sanchita Bhatnagar Lab
Medical Microbiology and Immunology
School of Medicine, UC Davis

February 23, 2024
12:10 – 1 p.m.
GBSF Auditorium
Room 1005

In-person presentation

Medical Microbiology and
Immunology
School of Medicine

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We hope to see you there!