



BIOINFORMATICS SEMINAR

MYTHREYE KARTHIKEYAN

Associate Professor, Department of Pathology, Molecular Cellular
UNIVERSITY OF ALABAMA AT BIRMINGHAM

‘DECODING’ MECHANISMS OF OVARIAN CANCER METASTASIS THE CELL SIGNALING WAY

The lab's research goals are to understand mechanisms of tumor progression, metastasis and recurrence. Hence the lecture will describe the unique process of metastasis in gynecological cancers, a devastating cancer type that to date has limited therapeutic options. Specific cancer models and molecular cellular strategies used to understand fundamental mechanisms that can then lead to the identification of new therapeutic avenues will be presented. Lastly, opportunities for applied bioinformatics and computational tools will be discussed.

BIOGRAPHY

Dr. Mythreye Karthikeyan obtained her Bachelor's degree in Biochemistry from Delhi University in India and after completing her Masters, she went on to receive her PhD from University of North Carolina Chapel Hill in 2005. She did her postdoctoral training at Duke University with Dr. Gerard Blobe. While in his lab she was a recipient of a Postdoctoral Award for ovarian cancer research from the Department of Defense and subsequently, in 2013 she received the Liz Tilberis Scholar award from the Ovarian Cancer Research Foundation. In the same year of 2013, she joined the faculty of University of South Carolina, Columbia, as a tenure-track Assistant Professor.

She received tenure and promotion in the Summer of 2019 and was then recruited as a Tenured Associate Professor jointly to the O'Neal Comprehensive Cancer center and Department of Pathology at the University of Alabama at Birmingham. There, she currently serves as a Graduate Faculty, Scientist member at the Cancer center and Center for Women's Reproductive Health. She is also Co-Director of a T32 program in translational molecular sciences. She is currently a chartered member of the tumor microenvironment study section for NIH's CSR and regularly serves as an ovarian cancer reviewer for the DOD and the Rivkin foundation. She publishes regularly in prestigious peer reviewed journals, has multiple patents, and supports her groups research by two NCI funded R01s.



CBCB SEMINAR

4/4/2022

3:30-4:30PM

AP BioPharma

Room 140

(590 Avenue 1743)

or via ZOOM:

[https://udel.zoom.us/j/
93068494454](https://udel.zoom.us/j/93068494454)

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