

SPECIAL RESEARCH SEMINAR

Presented by the Center for Exercise Medicine Research at the Fralin Biomedical Research Institute at VTC



FRALIN BIOMEDICAL RESEARCH INSTITUTE AT VTC
CENTER FOR EXERCISE
MEDICINE RESEARCH
VIRGINIA TECH.



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Exploring the Role of Lactate as a Metabolic Signal in Mitochondrial Biogenesis

Our understanding of lactate has changed drastically in recent years. Previously, lactate was considered merely a metabolic waste product and a cause of fatigue during exercise. However, it is now recognized as a valuable carbohydrate fuel source that is shuttled between different types of cells through specific transport proteins. Emerging evidence also suggests that lactate exerts myokine-like effects, mediating physiological adaptations across various tissues. In this seminar, Dr. Takahashi will present his recent work, which highlights the potential of lactate as a signaling molecule for mitochondrial adaptation in skeletal muscle.

MONDAY, NOV. 18, at 11 a.m.

Room G101 A/B, 4 Riverside Circle

Or watch via Zoom: <https://virginiatech.zoom.us/j/82975607246>



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