

TIMOTHY A. JOHNSON MEDICAL SCHOLAR LECTURE SERIES

Presented by the Fralin Biomedical Research Institute at VTC and the Virginia Tech Carilion School of Medicine



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Understanding Appetite from the Gut to the Brain

Rapid communication between the gut and the brain about recently consumed nutrients is critical for regulating appetite and maintaining body weight. Hunger-promoting AgRP neurons – a component of the central melanocortin system in the hypothalamus – play an important role in this process. These neurons can be manipulated and their in vivo activity monitored using genetic and optical techniques in mice. The goal of Dr. Beutler's work is to use these tools to dissect how nutrients in the gastrointestinal tract communicate with hypothalamic feeding neurons to modulate feeding behavior, and how this is disrupted in obese animals.

FRIDAY, FEB. 19, 2021 at 1:00 p.m.

This seminar will be webcast live at <https://fbri.vtc.vt.edu/events/live-webcast.html> and via Zoom at: <https://virginiatech.zoom.us/j/83726440592>

