

The Department of Nutritional Sciences

Spring 2026 Seminar Series

"Studies of the Assembly and Secretion of VLDL – A 50-Year Personal Journey"

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Host: Joseph Dixon, Ph.D.
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Wednesday, April 15, 2026 @ 2:15 PM

FSNS Building, 65 Dudley Road, New Brunswick, Room 120

Zoom option: <https://go.rutgers.edu/henry-ginsberg-seminar>



Very low-density lipoproteins (VLDL), are spherical macromolecular aggregates of 30-70 nm in diameter with more than 20,000 molecules of triglycerides and cholesterol esters in the core covered by several 1000 molecules of phospholipids and free cholesterol. The necessary signature protein of VLDL is apolipoprotein B (APOB), one of the largest and most complex proteins synthesized in humans. The complex structure of VLDL is matched by an equally complex infrastructure within the hepatic secretory pathway that assembles this lipoprotein in steps all regulated by the core lipids being transported to the circulation. The identification and characterization of these steps will be the focus of the presentation.