

BIOC 470. LIPIDS AND LIPOPROTEINS IN DISEASE.

Credits: 3

Offered by: Biochemistry (Faculty of Science)

Terms offered: Winter 2026

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Description

Structure, function and metabolism of lipids and lipoproteins as they relate to lipid storage diseases, obesity, insulin resistance, diabetes, heart disease, Alzheimers disease and other neurological diseases. Transcriptional and post-translational mechanisms governing the synthesis and degradation of important enzymes, lipids, and lipid transport molecules; role of lipid mediators in signaling pathways and protein modification; assembly and dynamics of lipoproteins and biological membranes; genetic disruptions of lipid regulatory proteins such as cell surface receptors leading to human disease.

- Restriction(s): Not open to students who have taken BIOC 570.
- Prerequisite(s): BIOC 311 or equivalent.

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