

# Download How Does Cholesterol Affect Membrane Fluidity

Cholesterol (from the Ancient Greek chole- and stereos (solid), followed by the chemical suffix-ol for an alcohol) is an organic molecule. It is a sterol (or modified steroid), a type of lipid molecule, and is biosynthesized by all animal cells, because it is an essential structural component of all animal cell membranes. A biological membrane or biomembrane is an enclosing or separating membrane that acts as a selectively permeable barrier within living things. Biological membranes, in the form of eukaryotic cell membranes, consist of a phospholipid bilayer with embedded, integral and peripheral proteins used in communication and transportation of chemicals and ...Dysregulation of hepatic cholesterol homeostasis leads to elevated hepatic FC levels in NASH, affecting hepatocytes, KCs, and HSCs. Excessive uptake of modified low-density lipoprotein (LDL) by scavenger receptors on KCs may lead to cholesterol trapping in lysosomes and KC activation. Blood is the essence of life. It is useful to examine the blood under a microscope to look for any changes in reaction to a stressor. In this exploratory study, ten human subjects were exposed to a cell phone radiation stressor.