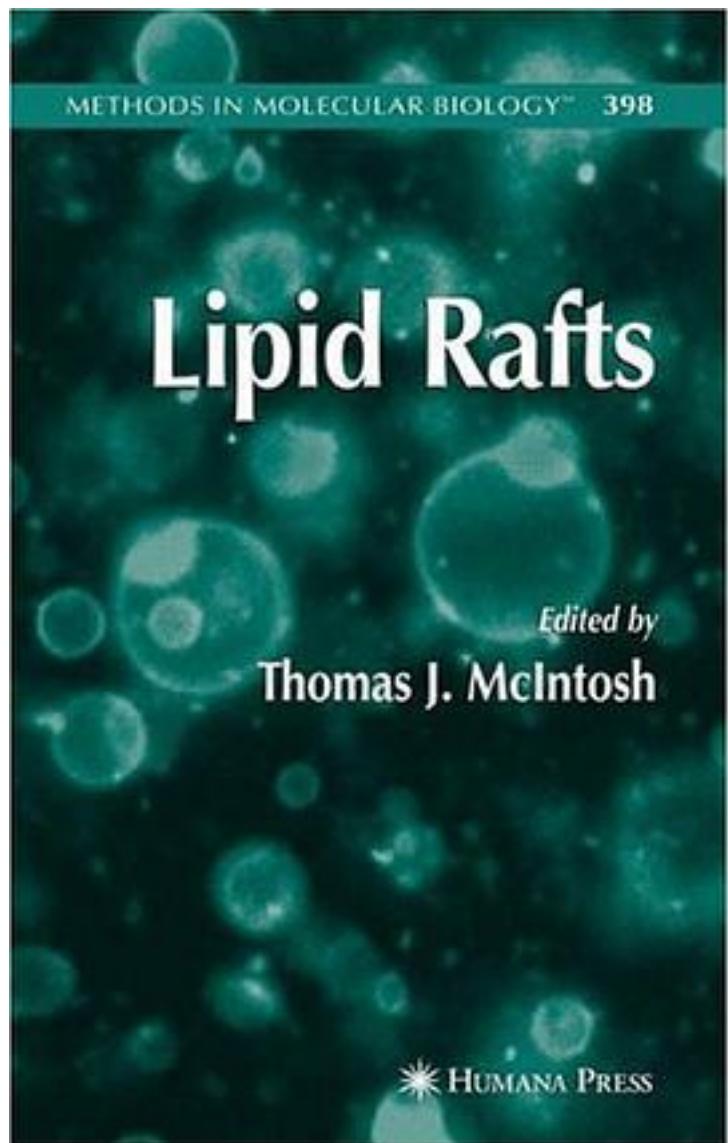


Lipid Rafts



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There are many fundamental unanswered questions concerning the composition, structure, and dynamics of lateral microdomains (rafts) in biological membranes. Thus, sophisticated techniques have been used to study intact cell membranes as well as model systems composed of specific lipids and proteins thought to be in rafts. Using biochemical, biophysical, and computational methods, "Lipid Rafts" provides the most up-to-date information on the subject, information that promises to continue unraveling the many mysteries of the properties and formation of lipid rafts. Included in "Lipid Rafts" are insightful discussions concerning chemical composition of rafts, monolayer techniques, fluorescence correlation spectroscopy, nuclear magnetic resonance (NMR) techniques, electron paramagnetic resonance (EPR) applications, fluorescence recovery after photobleaching (FRAP), X-ray diffraction, and more. The many biochemical, biophysical, and computational methods described in this book have already provided detailed information on lipid rafts and promise to continue to unravel many more mysteries concerning raft formation and properties. All this makes "Lipid Rafts" an essential reference for molecular biologists, biochemists, biophysicists, and biophysical chemists.

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