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**Membrane lipids: where they are and how they behave**

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2187	Spatiotemporal dynamics of the ER-derived peroxisomal endomembrane system. <b>2009</b> , 272, 191-244	24
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2184	Mechanisms of transport through the Golgi complex. <b>2009</b> , 122, 443-52	88
2183	Role of spike protein endodomains in regulating coronavirus entry. <b>2009</b> , 284, 32725-34	54
2182	Acyl-CoA:lysophospholipid acyltransferases. <b>2009</b> , 284, 1-5	308
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2179	Glycerol-3-phosphate acyltransferases gat1p and gat2p are microsomal phosphoproteins with differential contributions to polarized cell growth. <b>2009</b> , 8, 1184-96	21
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2175	Effects of hyperbaric gases on membrane nanostructure and function in neurons. <b>2009</b> , 106, 996-1003	16
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2169	Cell polarity factor Par3 binds SPTLC1 and modulates monocyte serine palmitoyltransferase activity and chemotaxis. <b>2009</b> , 284, 24881-90	15
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2132	Lipid droplet-organelle interactions; sharing the fats. <b>2009</b> , 1791, 441-7	203
2131	Mechanism and significance of P4 ATPase-catalyzed lipid transport: lessons from a Na <sup>+</sup> /K <sup>+</sup> -pump. <b>2009</b> , 1791, 603-11	40
2130	Intracellular sterol dynamics. <b>2009</b> , 1791, 636-45	189
2129	Modulation of phospholipase D activity in vitro. <b>2009</b> , 1791, 913-26	27
2128	Phosphatidic acid regulation of phosphatidylinositol 4-phosphate 5-kinases. <b>2009</b> , 1791, 905-12	45
2127	Fluorescence correlation spectroscopy in membrane structure elucidation. <b>2009</b> , 1788, 225-33	123
2126	Phase diagrams and lipid domains in multicomponent lipid bilayer mixtures. <b>2009</b> , 1788, 47-52	213
2125	Glycosphingolipid behaviour in complex membranes. <b>2009</b> , 1788, 184-93	113
2124	Glycolipid transfer proteins and membrane interaction. <b>2009</b> , 1788, 267-72	56
2123	The superlattice model of lateral organization of membranes and its implications on membrane lipid homeostasis. <b>2009</b> , 1788, 12-23	52
2122	How the molecular features of glycosphingolipids affect domain formation in fluid membranes. <b>2009</b> , 1788, 194-201	88
2121	Lipid bilayer disruption by oligomeric alpha-synuclein depends on bilayer charge and accessibility of the hydrophobic core. <b>2009</b> , 1788, 1271-8	126
2120	Fungicidal effect of antimicrobial peptide arenicin-1. <b>2009</b> , 1788, 1790-6	44
2119	Tag-probe labeling methods for live-cell imaging of membrane proteins. <b>2009</b> , 1788, 2124-31	49
2118	Identification of membrane O-acyltransferase family motifs. <b>2009</b> , 383, 320-5	37
2117	Sphingosine facilitates SNARE complex assembly and activates synaptic vesicle exocytosis. <b>2009</b> , 62, 683-94	121
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2111	Probing membrane order and topography in supported lipid bilayers by combined polarized total internal reflection fluorescence-atomic force microscopy. <b>2009</b> , 96, 1970-84	35
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2108	The role of lipid composition for insertion and stabilization of amino acids in membranes. <b>2009</b> , 130, 185101	56
2107	Chapter 1 Free Energies of Lipid-Lipid Interactions in Membranes. <b>2009</b> , 5, 3-21	1
2106	Lipidomics. <b>2009</b> ,	11
2105	Protein-lipid interactions: paparazzi hunting for snap-shots. <b>2009</b> , 390, 795-803	24
2104	Drug interactions with lipid membranes. <b>2009</b> , 38, 2509-19	172
2103	Mechanisms shaping the membranes of cellular organelles. <b>2009</b> , 25, 329-54	306
2102	Activation of membrane cholesterol by 63 amphipaths. <b>2009</b> , 48, 8505-15	30
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2098	Order of lipid phases in model and plasma membranes. <b>2009</b> , 106, 16645-50	328



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2096	Kinetics and thermodynamics of flip-flop in binary phospholipid membranes measured by sum-frequency vibrational spectroscopy. <b>2009</b> , 48, 10220-34	70
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2093	Lipid order and molecular assemblies in the plasma membrane of eukaryotic cells. <b>2009</b> , 37, 1056-60	9
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2089	Chain ordering of hybrid lipids can stabilize domains in saturated/hybrid/cholesterol lipid membranes. <b>2010</b> , 91, 28002	50
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2086	HSP70 and lysosomal storage disorders: novel therapeutic opportunities. <b>2010</b> , 38, 1479-83	21
2085	Bio-organoclays based on phospholipids as immobilization hosts for biological species. <b>2010</b> , 26, 5217-25	82
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2083	Role of membrane lipids for the activity of pore forming peptides and proteins. <b>2010</b> , 677, 31-55	21
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2081	Localization of Golgi-resident glycosyltransferases. <b>2010</b> , 67, 29-41	84
2080	Effect of sodium bicarbonate as a pharmaceutical formulation excipient on the interaction of fluvastatin with membrane phospholipids. <b>2010</b> , 39, 1637-47	18

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2078	Detection of characteristic distributions of phospholipid head groups and fatty acids on neurite surface by time-of-flight secondary ion mass spectrometry. <b>2010</b> , 43, 158-64	33
2077	Lipidomic analysis of porcine olfactory epithelial membranes and cilia. <b>2010</b> , 45, 593-602	23
2076	Size of thermosensitive liposomes influences content release. <b>2010</b> , 147, 436-43	93
2075	Cell cholesterol homeostasis: mediation by active cholesterol. <b>2010</b> , 20, 680-7	84
2074	Complementary transcriptomic, lipidomic, and targeted functional genetic analyses in cultured <i>Drosophila</i> cells highlight the role of glycerophospholipid metabolism in Flock House virus RNA replication. <b>2010</b> , 11, 183	44
2073	Towards a membrane proteome in <i>Drosophila</i> : a method for the isolation of plasma membrane. <b>2010</b> , 11, 302	14
2072	Oxidative stress causes reversible changes in mitochondrial permeability and structure. <b>2010</b> , 45, 596-602	21
2071	Cholesterol, the central lipid of mammalian cells. <b>2010</b> , 22, 422-9	233
2070	Sphingolipid topology and the dynamic organization and function of membrane proteins. <b>2010</b> , 584, 1800-5	49
2069	Lysosomal degradation of membrane lipids. <b>2010</b> , 584, 1700-12	195
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2067	Glycosphingolipids in microdomain formation and their spatial organization. <b>2010</b> , 584, 1634-41	54
2066	Stability of lipid domains. <b>2010</b> , 584, 1653-8	44
2065	An allostatic control of membrane lipid composition by SREBP1. <b>2010</b> , 584, 2689-98	80
2064	Lipidomic study of intracellular Singapore grouper iridovirus. <b>2010</b> , 399, 248-56	24
2063	The Kennedy pathway--De novo synthesis of phosphatidylethanolamine and phosphatidylcholine. <b>2010</b> , 62, 414-28	265
2062	Separation of DNA-containing organelles from <i>Toxoplasma gondii</i> by CZE. <b>2010</b> , 31, 1344-9	7

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2021	Connecting Hsp70, sphingolipid metabolism and lysosomal stability. <b>2010</b> , 9, 2305-9	56
2020	Inhibition of NADPH oxidase by glucosylceramide confers chemoresistance. <b>2010</b> , 10, 1126-36	22
2019	Bone marrow mononuclear cells shift bioactive lipid pattern in injured kidney towards tissue repair in rats with unilateral ureteral obstruction. <b>2010</b> , 25, 3867-74	13
2018	Subcellular organelle lipidomics in TLR-4-activated macrophages. <b>2010</b> , 51, 2785-97	156
2017	Regulation of the actin cytoskeleton-plasma membrane interplay by phosphoinositides. <b>2010</b> , 90, 259-89	362
2016	Tales and mysteries of the enigmatic sphingomyelin synthase family. <b>2010</b> , 688, 72-85	33
2015	Interplay between structure and fluidity of model lipid membranes under oxidative attack. <b>2010</b> , 114, 15642-9	42
2014	Sphingolipid transport. <b>2010</b> , 688, 24-45	13
2013	Influence of the lipid anchor motif of N-ras on the interaction with lipid membranes: a surface plasmon resonance study. <b>2010</b> , 98, 2226-35	17
2012	Characterization of horizontal lipid bilayers as a model system to study lipid phase separation. <b>2010</b> , 98, 2886-94	52
2011	Blockage of anthrax PA63 pore by a multicharged high-affinity toxin inhibitor. <b>2010</b> , 99, 134-43	42
2010	Lipids and cholesterol as regulators of traffic in the endomembrane system. <b>2010</b> , 39, 559-78	114
2009	Free energy and entropy of activation for phospholipid flip-flop in planar supported lipid bilayers. <b>2010</b> , 114, 1903-14	59
2008	Nanomechanics of lipid bilayers: heads or tails?. <b>2010</b> , 132, 12874-86	107

2007	Secondary structure in de novo designed peptides induced by electrostatic interaction with a lipid bilayer membrane. <b>2010</b> , 26, 6437-48	10
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2005	Crystalline domain structure and cholesterol crystal nucleation in single hydrated DPPC:cholesterol:POPC bilayers. <b>2010</b> , 132, 9920-7	58
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2002	Modeling of the endosomolytic activity of HA2-TAT peptides with red blood cells and ghosts. <b>2010</b> , 49, 7854-66	34
2001	Physical aspects of COPI vesicle formation. <b>2010</b> , 27, 428-42	21
2000	Membranes in balance: mechanisms of sphingolipid homeostasis. <b>2010</b> , 40, 267-79	170
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1998	Direct binding of cholesterol to the amyloid precursor protein: An important interaction in lipid-Alzheimer's disease relationships?. <b>2010</b> , 1801, 975-82	110
1997	Ceramide: from lateral segregation to mechanical stress. <b>2010</b> , 1798, 1348-56	41
1996	Nanomechanics of lipid bilayers by force spectroscopy with AFM: a perspective. <b>2010</b> , 1798, 741-9	130
1995	Vesicles with charged domains. <b>2010</b> , 1798, 1338-47	52
1994	Three unrelated sphingomyelin analogs spontaneously cluster into plasma membrane micrometric domains. <b>2010</b> , 1798, 909-27	39
1993	The liquid-ordered state comes of age. <b>2010</b> , 1798, 1286-8	84
1992	Potential role of the membrane in hERG channel functioning and drug-induced long QT syndrome. <b>2010</b> , 1798, 1651-62	15
1991	Phase separation in lipid bilayers triggered by low pH. <b>2010</b> , 399, 571-4	9
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1989	A comprehensive comparison of transmembrane domains reveals organelle-specific properties. <b>2010</b> , 142, 158-69	378
1988	Lipid trafficking sans vesicles: where, why, how?. <b>2010</b> , 143, 870-4	85
1987	Chemical complexity--supramolecular self-assembly of synthetic and biological building blocks in water. <b>2010</b> , 39, 2806-16	143
1986	Membrane-mediated effect on ion channels induced by the anesthetic drug ketamine. <b>2010</b> , 132, 7990-7	76
1985	ABC transporters, atherosclerosis and inflammation. <b>2010</b> , 211, 361-70	140
1984	Influence of phase separating lipids on supported lipid bilayer formation at SiO <sub>2</sub> surfaces. <b>2010</b> , 12, 453-60	38
1983	Single embryo and oocyte lipid fingerprinting by mass spectrometry. <b>2010</b> , 51, 1218-27	94
1982	Effect of sphingomyelin headgroup size on molecular properties and interactions with cholesterol. <b>2010</b> , 99, 3300-8	66
1981	Acyl-lipid metabolism. <b>2010</b> , 8, e0133	249
1980	Role of cellular lipids in positive-sense RNA virus replication complex assembly and function. <b>2010</b> , 2, 1055-68	40
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1977	Redox control of liver function in health and disease. <b>2010</b> , 12, 1295-331	132
1976	Heterologous Expression of Membrane Proteins. <b>2010</b> ,	2
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1971	Line tension between domains in multicomponent membranes is sensitive to degree of unsaturation of hybrid lipids. <b>2011</b> , 7, 7021	31
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1968	Phosphatidylserine is polarized and required for proper Cdc42 localization and for development of cell polarity. <b>2011</b> , 13, 1424-30	137
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1966	Membrane position of ibuprofen agrees with suggested access path entrance to cytochrome P450 2C9 active site. <b>2011</b> , 115, 11248-55	114
1965	Molecular mechanism of cholesterol- and polyphosphoinositide-mediated syntaxin clustering. <b>2011</b> , 50, 9014-22	46
1964	Structure and dynamics of highly PEG-ylated sterically stabilized micelles in aqueous media. <b>2011</b> , 133, 13481-8	74
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1959	Ultrafast energy migration pathways in self-assembled phospholipids interacting with confined water. <b>2011</b> , 115, 11952-9	36
1958	Highly efficient microscale purification of glycerophospholipids by microfluidic cell lysis and lipid extraction for lipidomics profiling. <b>2011</b> , 83, 6628-34	17
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1956	Regulation of Membrane Unsaturation as Antioxidant Adaptive Mechanism in Long-lived Animal Species. <b>2011</b> , 1, 3-12	9
1955	In situ structural characterization of a recombinant protein in native Escherichia coli membranes with solid-state magic-angle-spinning NMR. <b>2011</b> , 133, 12370-3	70
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1943	Crystalline, ordered and disordered lipid membranes: convergence of stress profiles due to ergosterol. <b>2011</b> , 133, 3720-3	17
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1940	Hemostasis, coagulation, and complications. <b>2011</b> , 24, 4-25	6
1939	High-resolution atomic force microscopy and spectroscopy of native membrane proteins. <b>2011</b> , 74, 086601	102
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1936	Interleaflet interaction and asymmetry in phase separated lipid bilayers: molecular dynamics simulations. <b>2011</b> , 133, 6563-77	141

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1934	Lipid map of the mammalian cell. <b>2011</b> , 124, 5-8	420
1933	In situ quantitative imaging of cellular lipids using molecular sensors. <b>2011</b> , 3, 868-74	62
1932	Synergistic effect of graphene oxide/MWCNT films in laser desorption/ionization mass spectrometry of small molecules and tissue imaging. <b>2011</b> , 5, 4550-61	172
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1930	Lipid membranes with a majority of cholesterol: applications to the ocular lens and aquaporin 0. <b>2011</b> , 115, 6455-64	38
1929	Orientation of fluorescent lipid analogue BODIPY-PC to probe lipid membrane properties: insights from molecular dynamics simulations. <b>2011</b> , 115, 6157-65	24
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1927	Pumping lipids with P4-ATPases. <b>2011</b> , 392, 67-76	20
1926	Signaling from the living plasma membrane. <b>2011</b> , 144, 897-909	175
1925	SNARE proteins are required for macroautophagy. <b>2011</b> , 146, 290-302	351
1924	Genome-wide localization of SREBP-2 in hepatic chromatin predicts a role in autophagy. <b>2011</b> , 13, 367-375	126
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1921	High sensitivity quantitative lipidomics analysis of fatty acids in biological samples by gas chromatography-mass spectrometry. <b>2011</b> , 1811, 648-56	151
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1913	Bottom-up shotgun lipidomics by higher energy collisional dissociation on LTQ Orbitrap mass spectrometers. <b>2011</b> , 83, 5480-7	105
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1911	An introduction to membrane proteins. <b>2011</b> , 10, 3324-31	47
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1907	Titanium dioxide as chemo-affinity chromatographic sorbent of biomolecular compounds--applications in acidic modification-specific proteomics. <b>2011</b> , 75, 317-28	53
1906	Regulation of phospholipid synthesis in the yeast <i>Saccharomyces cerevisiae</i> . <b>2011</b> , 80, 859-83	174
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1903	Biological responses towards cationic peptides and drug carriers. <b>2011</b> , 32, 116-24	65
1902	Mechanisms of glycerophospholipid homeostasis in mammalian cells. <b>2011</b> , 50, 240-57	127
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1826	Mitochondrial dysfunction and increased reactive oxygen species impair insulin secretion in sphingomyelin synthase 1-null mice. <b>2011</b> , 286, 3992-4002	106
1825	βSynuclein and ALPS motifs are membrane curvature sensors whose contrasting chemistry mediates selective vesicle binding. <b>2011</b> , 194, 89-103	150
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1817	Synthesis and biosynthetic trafficking of membrane lipids. <b>2011</b> , 3, a004713	53
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1811	Complex phase behavior of a fluid in slits with semipermeable walls modified with tethered chains. <b>2011</b> , 134, 044705	6
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