

Index

A

actin

[2.1: Membrane Fluctuations](#)

Atomic Force Microscopy

[6.1: Atomic force microscopy \(AFM\) on Membranes](#)

C

caveolae

[3.6: Rafts](#)

Cavins

[3.6: Rafts](#)

Chain order parameter

[7.3: Molecular Dynamics for Biomembranes](#)

charge

[4.5: Nanoparticle Spontaneous Penetration and Assembly in and Through Membranes](#)

chemical shift anisotropy (CSA)

[5.11: Solid-state NMR](#)

cholesterol binding sequence

[3.6: Rafts](#)

Coarse Grain Simulations

[7.5: Coarse Grain Simulations of Membranes](#)

compressibility

[2.4: Membrane Compressibility](#)

compressibility modulus

[2.4: Membrane Compressibility](#)

E

Electrospray

[6.3: Electrospray Ionization \(ESI\) Mass Spectrometry](#)

ESI Mass Spectrometry

[6.3: Electrospray Ionization \(ESI\) Mass Spectrometry](#)

F

fatty acids

[1.1: Charged Lipids](#)

Fluid Mosaic Model

[2.7: Diffusion in Membranes](#)

Fluorescent Lipid Probes

[5.4: Lipid Probes](#)

FRAP

[5.5: Fluorescence on Membranes](#)

FTIR

[5.8: FTIR on Membranes](#)

G

Gaussian curvature

[2.3: Membrane Curvature](#)

Gel Phase

[3.4: The Gel Phase](#)

glycerophospholipids

[1.3: Lipid Tails and Saturation](#)

glycolipids

[1.4: Glycolipids](#)

H

hard ionization

[6.2: Mass Spectrometer Ionization Techniques for Membrane Proteins](#)

Helfrich model

[2.4: Membrane Compressibility](#)

I

Integral membrane

[4.2: Insertion of Membrane Proteins into Lipid Membranes](#)

K

Kingdon trap

[6.4: Mass Analyzer Orbitrap](#)

Knight trap

[6.4: Mass Analyzer Orbitrap](#)

L

lateral diffusion coefficient

[3.3: The Fluid Phase](#)

Laurdan

[3.7: Lipid Phase Coexistence](#)

Lectins

[2.2: Membrane Asymmetry](#)

Lipid Headgroup

[1.2: Lipid Headgroup Types](#)

Lipid phase coexistence

[3.7: Lipid Phase Coexistence](#)

Lipid rafts

[3.6: Rafts](#)

Lipids

[1: Lipids](#)

[1.3: Lipid Tails and Saturation](#)

Luzzati thickness

[3.3: The Fluid Phase](#)

M

magic angle spinning

[5.11: Solid-state NMR](#)

mechanosensitive (MS) ion channels

[4.4: Physical Lipid Protein Interactions](#)

Membrane Building

[7.4: Designing Molecular Membranes Models with VMD](#)

Membrane Curvature

[2.3: Membrane Curvature](#)

membrane deformation energy

[2.4: Membrane Compressibility](#)

micelles

[4.6: Non-Membrane Lipid Assemblies \(Micelles\)](#)

Molecular Design

[7.4: Designing Molecular Membranes Models with VMD](#)

molecular saturation

[1.3: Lipid Tails and Saturation](#)

Monte Carlo simulation

[7.2: Monte Carlo for Biomembranes](#)

N

Nanoparticle

[4.5: Nanoparticle Spontaneous Penetration and Assembly in and Through Membranes](#)

O

orbitrap

[6.4: Mass Analyzer Orbitrap](#)

P

Pake pattern

[5.11: Solid-state NMR](#)

Phosphatidic acid

[1.1: Charged Lipids](#)

Phosphatidylethanolamine

[1.1: Charged Lipids](#)

Phosphatidylinositol

[1.1: Charged Lipids](#)

Phospholipids

[1.1: Charged Lipids](#)

Q

Quadrupolar interactions (NMR)

[5.11: Solid-state NMR](#)

R

Raman Spectroscopy

[5.9: Raman Spectroscopy on Membranes](#)

reflectron

[6.5: Mass Analyzer - Time of Flight](#)

S

Sec translocon

[4.2: Insertion of Membrane Proteins into Lipid Membranes](#)

segmental order parameter

[5.11: Solid-state NMR](#)

Signal Recognition Particle

[4.2: Insertion of Membrane Proteins into Lipid Membranes](#)

Single Molecule Tracking

[5.7: Single Molecule Tracking](#)

SMALP

[5.3: Styrene Maleic Acid Lipid Particles \(SMALP\) Technology](#)

soft ionization

[6.2: Mass Spectrometer Ionization Techniques for Membrane Proteins](#)

Sphingolipids

[1.5: Sphingolipids](#)

Sphingomyelin

[1.1: Charged Lipids](#)

sphingosine

[1.5: Sphingolipids](#)

Spin Probes

[5.4: Lipid Probes](#)

STED

[5.5: Fluorescence on Membranes](#)

sterol

[1.3: Lipid Tails and Saturation](#)

Sterols

[1.6: Sterols and Sterol Induced Phases](#)

Supported lipid bilayers (SLBs)

[5.2: Supported and Tethered Membranes](#)

Supported Membranes

[5.2: Supported and Tethered Membranes](#)

T

tethered lipid bilayers membranes
(tLBMs)

[5.2: Supported and Tethered Membranes](#)

Tethered Membranes

[5.2: Supported and Tethered Membranes](#)

time of flight

[6.5: Mass Analyzer - Time of Flight](#)

TIRFM

[5.5: Fluorescence on Membranes](#)

total curvature

[2.3: Membrane Curvature](#)

Total Internal Reflection Fluorescence

Microscopy

[5.5: Fluorescence on Membranes](#)

transmembrane domain

[4.2: Insertion of Membrane Proteins into Lipid Membranes](#)

V

Vesicles

[2.6: Vesicles](#)

Visual Molecular Dynamics

[7.4: Designing Molecular Membranes Models with VMD](#)

Visualization

[7.4: Designing Molecular Membranes Models with VMD](#)

VMD

[7.4: Designing Molecular Membranes Models with VMD](#)