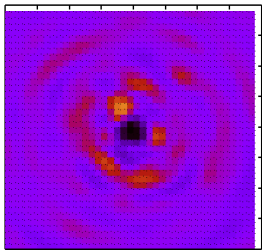
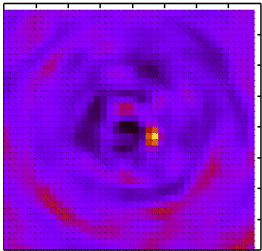
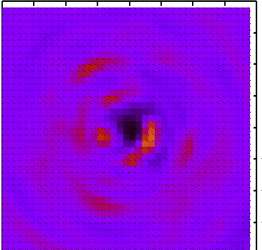
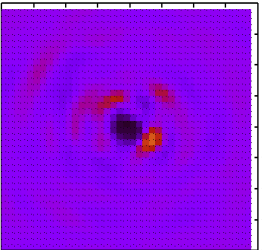
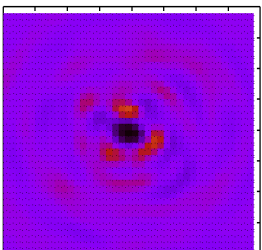
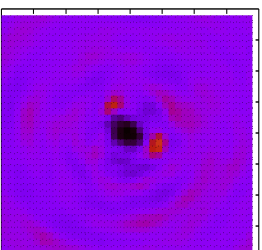
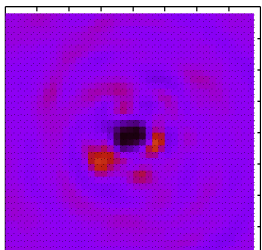
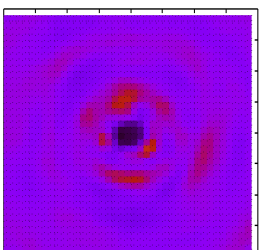
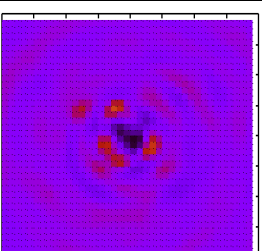
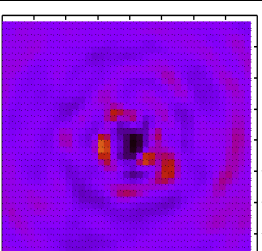
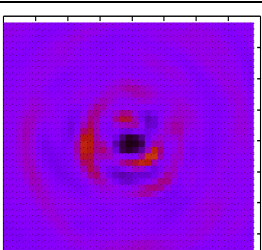
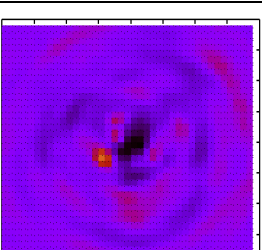


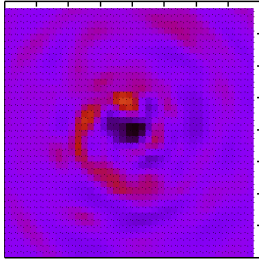
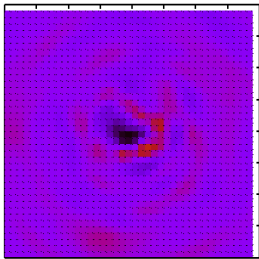
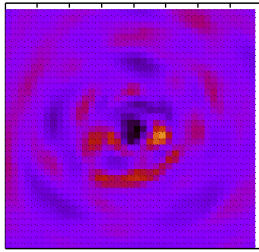
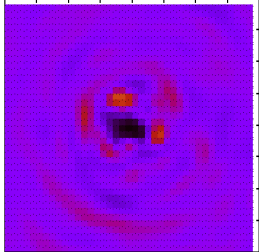
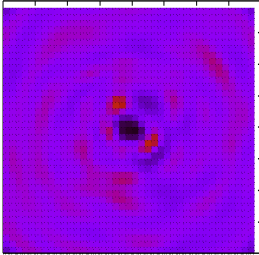
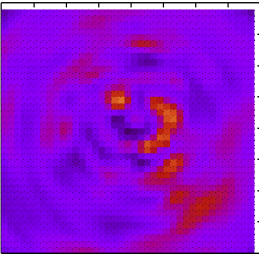
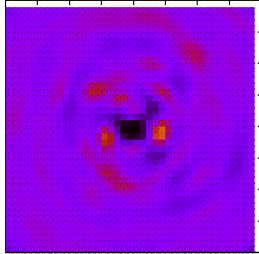
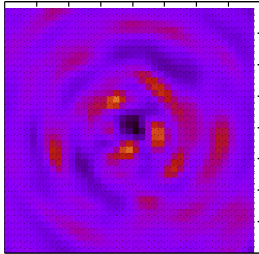
Supporting Information: “Atomistic simulation of cholesterol effects on miscibility of saturated and unsaturated phospholipids: Implications for liquid ordered/liquid disordered phase coexistence”, Jason de Joannis, Patrick S. Coppock, Fuchang Yin, Makoto Mori, Absalom Zamorano, and James T. Kindt*

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Figure S1: Density plots of $g(r, \phi)$ of DPPC and DOPC lipids surrounding cholesterol in ternary lipid mixtures. Definition of distance and angle coordinates are as defined in Methods; the positive X direction (i.e. $\phi = 0$) corresponds roughly to the β face of cholesterol. All plots depict an area of 4.0×4.0 nm centered at the cholesterol. Trajectory names correspond to those used in Table 1.

Trajectory name	Chol-DPPC	Chol-DOPC
$N_{\text{Chol}}/(N_{\text{Chol}}+N_{\text{PC}})$		
$\langle N_{\text{DPPC}} \rangle / N_{\text{PC}}$		
	0 1.0	2.0 3.0
C3α3 0.031 0.21 ± 0.01		
C3α10 0.031 0.48 ± 0.01		
C3α30 0.031 0.744 ± 0.006		
C8α3 0.078 0.19 ± 0.01		
C8α10 0.078 0.53 ± 0.01		

C8 α 30 0.078 0.81 ± 0.01		
C16 α 3 0.156 0.24 ± 0.01		
C16 α 10b 0.156 0.47 ± 0.01		
C16 α 10c 0.156 0.55 ± 0.01		
C16 α 30a 0.156 0.78 ± 0.01		
C16 α 30b 0.156 0.79 ± 0.01		

C31 α 3a 0.312 0.42 ± 0.02		
C31 α 3b 0.312 0.26 ± 0.02		
C31 α 10a 0.312 0.76 ± 0.02		
C31 α 10b 0.312 0.69 ± 0.02		
C31 α 30 0.312 0.92 ± 0.01	