COARSE-GRAINED SIMULATIONS OF NICOTINIC ACETYLCHOLINE RECEPTORS IN COMPLEX MIXED MEMBRANES: EMBEDDED LIPIDS AND DOMAIN PARTITIONING

by

LIAM M. SHARP

A Master's Thesis Submitted to

Graduate School-Camden

Rutgers State University Camden

In partial fulfillment of the requirements

For the degree of

Masters of Science

Graduate Program in Computational & Integrative Biology

Written under the direction of

Dr. Jessica Grace Brannigan

And approved by

Dr. Jessica Grace Brannigan

Dr. Joseph Martin

Dr. Sean O'Malle

Camden, New Jersey

May 2016

COARSE-GRAINED SIMULATIONS OF NICOTINIC ACETYLCHOLINE RECEPTORS IN COMPLEX MIXED MEMBRANES: EMBEDDED LIPIDS AND DOMAIN PARTITIONING

by

LIAM M. SHARP

A Master's Thesis Submitted to

Graduate School-Camden

Rutgers State University Camden

In partial fulfillment of the requirements

For the degree of

Masters of Science

Graduate Program in Computational & Integrative Biology

Written under the direction of

Dr. Jessica Grace Brannigan

And approved by

Dr. Jessica Grace Brannigan

Dr. Joseph Martin

Dr. Sean O'Malley