

CALL FOR PAPERS IS NOW OPEN  
SUBMISSIONS ACCEPTED UNTIL 3/13/2015

CLICK HERE »

Log In Register 

ACS ACS Publications C&EN CAS

 ACS Publications  
Most Trusted. Most Cited. Most Read.

ACS Journals | ACS ChemWorx | ACS eBooks | ACS Style Guide | C&EN Archives | Subscribe | Help

THE JOURNAL OF  
PHYSICAL CHEMISTRY **B**

Search Citation DOI Subject Advanced Search

Search text  Anywhere

J. Phys. Chem. B  All Publications/Website

J. Phys. Chem. A B C Letters Pre-1997

Browse the Journal Articles ASAP Current Issue Submission & Review Subscribe About the Journal

Article

Previous Article Next Article Articles ASAP

## Electric Field Effect on Phospholipid Monolayers at an Aqueous–Organic Liquid–Liquid Interface

Hao Yu <sup>†</sup>, Irena Yzeiri <sup>‡</sup>, Binyang Hou <sup>†</sup>, Chiu-Hao Chen <sup>†</sup>, Wei Bu <sup>†</sup>, Petr Vanysek <sup>§</sup>, Yu-Sheng Chen <sup>||</sup>, Binhua Lin <sup>||</sup>, Petr Král <sup>†‡</sup>, and Mark L. Schlossman <sup>†‡</sup>

<sup>†</sup> Department of Physics, University of Illinois at Chicago, Chicago, Illinois 60607, United States

<sup>‡</sup> Department of Chemistry, University of Illinois at Chicago, Chicago, Illinois 60607, United States

<sup>§</sup> Department of Chemistry & Biochemistry, Northern Illinois University, DeKalb, Illinois 60115, United States

<sup>||</sup> The Center for Advanced Radiation Sources, University of Chicago, Chicago, Illinois 60637, United States

J. Phys. Chem. B, Article ASAP

DOI: 10.1021/jp5098525

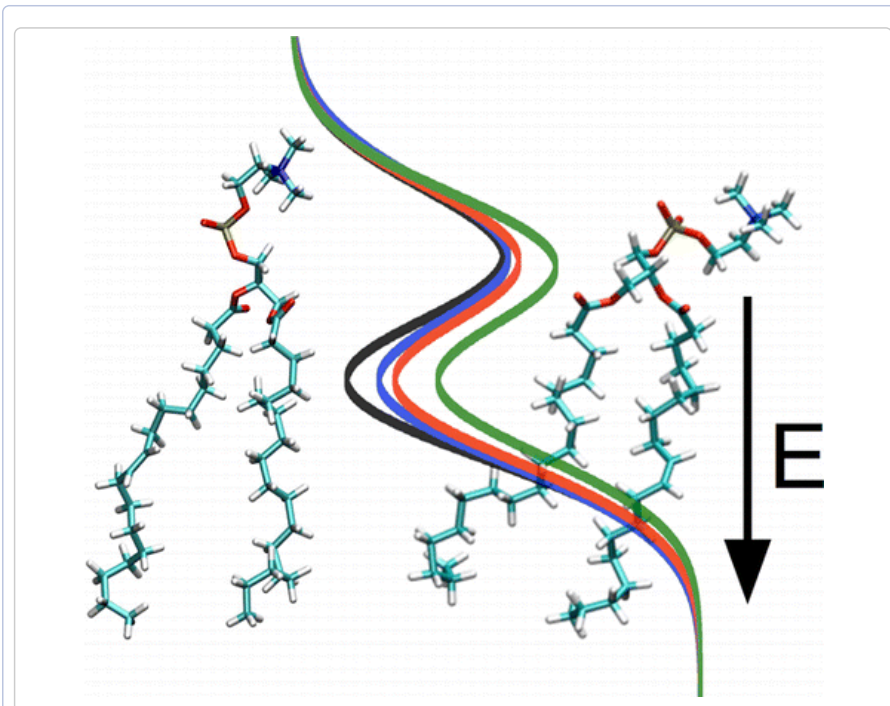
Publication Date (Web): October 7, 2014

Copyright © 2014 American Chemical Society

\*E-mail: schloss@uic.edu.

 Section: Surface Chemistry and Colloids

### Abstract



The electric potential difference across cell membranes, known as the membrane potential, plays an important role in the activation of many biological processes. To investigate the

### Article Options

ACS ActiveView PDF

Hi-Res Print, Annotate,  
Reference QuickView

PDF (4310 KB)

PDF w/ Links (763 KB)

Full Text HTML

Abstract  
Figures

Add to ACS ChemWorx

 SciFinder®

Sign in

Retrieve Detailed Record of this Article

Retrieve Substances Indexed for this Article

Retrieve All References Cited for this Article

Explore by:

- Author of this Article
- Any Author
- Research Topic

Yu, Hao

### Tools & Sharing

Add to Favorites  
Download Citation  
Email a Colleague  
Order Reprints  
Rights & Permissions  
Citation Alerts  
Share this Article

### History

Just Accepted Manuscript:  
October 07, 2014  
Received: October 02, 2014