



**FOR IMMEDIATE RELEASE**  
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## **Biophysical Society Announces Winners of the 2016 SRAA Poster Competition**

The 14 winners of the annual Student Research Achievement Awards were recognized at the 60<sup>th</sup> Annual Meeting Awards Ceremony on February 29. These students were selected by judges from the Society's subgroups for their outstanding presentations during the poster competition. Eighty-two students participated in the competition. The winners are:

### **Bioenergetics**

[Paween Mahinthichaichan](#), University of Illinois at Urbana-Champaign  
*CHARACTERIZATIONS OF SUBSTRATE DELIVERY PATHWAYS IN THE NITRIC OXIDE REDUCTASE.*

### **Biological Fluorescence**

[Rayna Addabbo](#), University of Wisconsin- Madison  
*KINETIC COMPENSATION BETWEEN ESTER-BOND CLEAVAGE, FOLDING AND RELEASE FROM THE RIBOSOME IN PROTEIN BIOGENESIS.*

### **Biopolymers in vivo**

[Michiel Niesen](#), California Institute of Technology  
*COARSE-GRAINED MODELING OF MEMBRANE PROTEIN INTEGRATION VIA THE SEC TRANSLOCON.*

### **Exocytosis & Endocytosis**

[Jason Paxman](#), Brigham Young University  
*ALCOHOL SIGNIFICANTLY ALTERS FUSIGENICITY OF VESICLES IN A MODEL MEMBRANE SYSTEM.*

### **Intrinsically Disordered Proteins**

[Gül Zerze](#), Lehigh University  
*DYNAMICS OF CONTACT FORMATION IN DISORDERED POLYPEPTIDES.*

### **Mechanobiology**

[Ishutesh Jain](#), Indian Institute of Technology Bombay, India  
*DYNAMIC INSTABILITY EMERGES FROM MICROMECHANICS AND CHEMICAL KINETICS OF MICROTUBULE PROTOFILAMENTS.*

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### **BIOPHYSICAL JOURNAL**

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Richard Aldrich

### **Membrane Biophysics**

[Worawan Limpitikul](#), Johns Hopkins University School of Medicine  
*FUNCTIONAL RESCUE OF CALMODULINOPATHY IPSC-DERIVED CARDIOMYOCYTES --  
A FORAY INTO PERSONALIZED MEDICINE.*

### **Membrane Structure & Assembly**

[Caitlin Cornell](#), University of Washington  
*GENERAL ANESTHETICS RAISE THE MISCIBILITY TRANSITION TEMPERATURE OF  
MODEL MEMBRANES.*

[Sarah Kim](#), Johns Hopkins University  
*DESIGN OF PH TRIGGERED, MACROMOLECULAR PORE FORMING PEPTIDES FOR  
ENDOSOMAL ESCAPE.*

### **Molecular Biophysics**

[Federico Comitani](#), King's College London, United Kingdom  
*EXPLORING THE BINDING OF GABA TO THE INSECT RDL RECEPTOR WITH  
METADYNAMICS.*

### **Motility**

[Martina Audagnotto](#), École Polytechnique Fédérale de Lausanne, Switzerland  
*NEW INSIGHT INTO THE CATALYTIC AND INHIBITION MECHANISM OF THE HUMAN  
ACYL PROTEIN THIOESTERASE.*

### **Nanoscale Biophysics**

[Bogdan Iaparov](#), Ural Federal University, Russia  
*ELECTRON-CONFORMATIONAL TRANSFORMATIONS GOVERN THE TEMPERATURE  
DEPENDENCE OF THE RYR2 GATING.*

[Yan Yan](#), Emory University  
*HU PROTEIN AND DNA SUPERCOILING DRAMATICALLY ENHANCE LAC-REPRESSOR-  
MEDIATED DNA LOOPING.*

### **Permeation & Transport**

[Cholpon Tilegenova](#), Texas Tech University Health Sciences Center  
*ELUCIDATION OF MOLECULAR MECHANISM UNDERLYING KCSA'S HYSTERETIC  
GATING BEHAVIOR.*

*The Biophysical Society, founded in 1958, is a professional, scientific Society established to encourage development and dissemination of knowledge in biophysics. The Society promotes growth in this expanding field through its annual meeting, monthly journal, and committee and outreach activities. Its 9000 members are located throughout the U.S. and the world, where they teach and conduct research in colleges, universities, laboratories, government agencies, and industry. For more information on these awards, the Society's Annual Meetings, visit [www.biophysics.org](http://www.biophysics.org).*