

# UNIVERSITY OF HAWAII AT MĀNOA

John A. Burns School of Medicine  
Department of Anatomy, Biochemistry and Physiology

October 8, 2014

UROP Adjudication Committee  
UH Manoa

To Whom It May Concern:

I write this reference letter for Mr. Nathaniel Saul to accompany his **UROP Undergraduate Research Grant** submission and I do so with great pleasure. Nathaniel is junior majoring in Mathematics and plans to attend Graduate School in Applied Mathematics following graduation from UH. I met Nathaniel as a result of research collaborations with Dr. Yuriy Mileyko, Assistant Professor in the Department of Mathematics.

Our multi-departmental collaboration is focused on determining whether kinesio tape alters morphology of the subcutaneous compartment of the thigh in a fashion consistent with increasing extracellular fluid flow. Mr. Saul will assist in the development of morphometric software useful for determining size and shape change of the region derived from medical images. Results of this research will provide the first objective assessment of kinesio tape derived from medical imaging. This research is the first ever attempt at examining the anatomical basis of kinesio tape functionality and could have significant impact commercially.

My laboratory will provide hardware and software necessary to view the medical images as well as expertise concerning interpretation of the imaging data. Nathaniel will have access to the necessary laboratory facilities and consumables to successfully complete this project.

I highly support Nathaniel's application and I look forward to interacting with him and his mentor, Dr. Mileyko, on this project.

Aloha,



Scott Lozanoff, PhD  
Professor and Chair