Personnel Budget Justification

**Senior/Key Personnel**
Nomura, Christopher T., Principal Investigator, 0.2 person months. Dr. Christopher T. Nomura is one of the Co-PIs for the proposed project. Dr. Christopher T. Nomura will instruct and mentor graduate and undergraduate students participating in the proposed research, as well as mentor Co-PI Dr. Benjamin R. Lundgren who is an early-stage investigator (ESI). Dr. Christopher T. Nomura has served as a PI for two previous NIH R15 AREA awards.

Lundgren, Benjamin R., Co-Principal Investigator, 10.8 person months. Dr. Benjamin R. Lundgren is one of the Co-PIs for the proposed project. Dr. Benjamin R. Lundgren will train, instruct and mentor the necessary undergraduate students to complete the experiments in the proposed project. In past NIH-funded R15 awards, Dr. Benjamin R. Lundgren has proven to be a valuable mentor in the lab setting, educating dozens of students on the principles of bacteriology, especially as it pertains to human health. Many of his mentored students have co-authored peer-reviewed publications, and several of his students are now seeking advanced degrees or careers in health-related fields. His contribution in the lab will have broadening impacts on the education for many more undergraduate students in the 24 months of the proposed project.

**Other Personnel**
Graduate Student Research Associate #1: Mr. Ryan Scheel, 12 person months. The graduate student research associate recruited to this position will work Dr. Nomura and Dr. Lundgren and an undergraduate student to prepare samples experiments outlined in Specific Aim 1 of our proposal. In particular he will be working on characterizing KefR (PA3942). Ryan has been a recipient of a Diversity Supplement to our R15 award and will be putting in an F31 application in December 2017.

Graduate Student Research Associate #2: Mr. Joseph Shoytush, 4 person months. Mr. Shoytush will work with Mr. Ryan Scheel, Dr. Nomura, and Dr. Lundgren on finishing up the AauS-AauR TCS project.

Experiments described in the proposed project will be conducted by undergraduate students at SUNY-ESF. Overall, four advanced students will take lead on key tasks described in the proposed project (two students per year). These students will train and mentor incoming undergraduate students, which is anticipated to be ca. 7 new students per 12 months. It is anticipated that at least one of these students will be an underrepresented minority student recruited through our C-STEP program (see attached letter of support).