

Budget and Justification:

Stanford University Information:

Indirect costs are limited to 10% and are included as part of the total award amount per the program guidelines.

Per our Final Fringe Benefit Rate Agreement, dated 09/15/2020, between Stanford University and the Office of Naval Research: For Fiscal Year 2021, the fringe benefit rate is 29% for faculty, staff and 25.1% for postdoctoral affiliates, 5.3% for graduate students and 8.1% for temporary/casual personnel.

Stanford's agreement with the Office of Naval Research provides for 8.9% vacation accrual/disability sick leave (DSL) for exempt and non-exempt employees. The vacation accrual/DSL rates will be charged at the time of the salary expenditure. No salary will be charged to the award when the employee is on vacation.

A cost-of-living increase of 3% was assumed for salaries according to guidelines approved by Stanford University. These increases have been projected into all years of the budget.

Key Personnel

Principal Investigator: David Rosenthal, MD, 1% FTE. Dr. Rosenthal will oversee the project and ensure its completion. He will contribute clinical knowledge regarding pediatric heart transplantation including waitlist management and post-transplant care. He will recruit collaborating sites and work collaboratively with them on the interpretation of the machine learning analysis and design of the decision support tool.

Co-Investigator: David Scheinker, PhD, 1% FTE. Professor Scheinker will provide expertise in conducting machine learning analysis and will supervise work performed by the post-doctoral student.

Post-Doctoral Student to be named: The student to be named will clean and assemble data and will perform machine learning analysis with supervision from Professor Scheinker.

Supplies/Miscellaneous

The biostatistical group at the Pediatric Heart Transplant Society (KIRSO) will obtain the SRTR database and merge to the PHTS database, further enriching the data with site-specific HLA antibody data from the 8 collaborating sites. This will produce a limited dataset as specified in the appendix that will be provided to the Stanford investigator team. Fees for this amount to \$40,000 and include the effort for the data merges, and the licensing fee for using the PHTS data for this analysis, including fees for 4 additional related analyses using the same dataset.

Each of the 8 partner sites will be reimbursed a standard fee of \$11,500. This provides \$1500 for travel to a single investigator meeting, and \$10,000 for sites to prepare and submit to Stanford, a standard HLA dataset as specified in the appendix of the grant proposal. Also included within the \$10,000 is reimbursement for investigator time in participating on the conference calls to refine the data analysis and design the decision support tool.

The amount of \$3,500 is budgeted in year 1 and \$2,000 in year 2 to allow for the Stanford investigators to travel to the investigator meeting in year 1 and to a national meeting in each of years 1 and 2, to present results from the study. Additionally, we have included \$1500 to cover the costs of meeting space and food for the investigator meeting.