MacManes Draft Budget justification:

PERSONNEL

Matthew MacManes, junior investigator (3.0Academic months and 3.o summer months) MacManes will be the PI on the project on understanding dehydration resistance in desert adapted animals. He will spend 50% effort during the 12-month year. Amount requested is $74,000 annual salary and a fringe benefits rate of 47.5% to be incremented 3% annual salary increase during the period of the grant.

I am requesting funding for a postdoctoral fellow who will perform bioinformatic analyses, develop novel methods and write papers, all under the direct supervision of MacManes. The amount requested reflects annual salary rates as determined by the NIH for postdoctoral fellows with 0, 1, and 2 years experience. Fringe benefits are paid at the rate of 31.2% annually.

SUPPLIES

Funding is requested in years 1-3 for the laboratory work to be completed by MacManes. $30K is requested in years one and two, while $20k is requested in year 3. These fund will cover $9000 in animal care, approximately $15k on RNA sequencing on the Pacific Biosystems platform, $40k on RNA sequencing on the Illumina platform, with the remaining $15k allocated for the purchase of consumables and reagents.

TRAVEL

$2000 in travel expenses is allocated in each year of the grant to cover travel to two conferences.

OTHER COSTS

$4,500 is allocated for Open Access publication charges.