**G. Other Direct Costs.**

**G1.** We have requested $45,000 over three years to create an extensive database to hold the massive amount of data that this project will generate (see data management plan), including funds for personnel to develop and populate it. The funds will be used to develop a secure in-house relational and spatial database that is enabled to link in with R for analyses as well as Genbank, TreeBASE, Morphbank, the Cloud and Github.

We have also budgeted for a laptop computer for the postdoctoral fellow in Y1 ($1,200).

**G2.** We have budgeted $5,400 for 4 publications. We plan to submit two publications in Y2 and Y3 respectively ($2,700 per year). The costs are based on the current rates for the average open-access publication of $1,350.

**G3.** No consultancy fees will be paid.

**G4. Software:** We will use an object-relational database management system to store the data (both molecular (e.g., sequences), biodiversity (e.g., species data) and samples (e.g., blood). Based on our previous experience we will use the open source database PostgreSQL. This platform is in continuous development, follows international standards and can be easily expanded to be a spatial database. The R platform will be use to analyze the data and produce figures. Molecular analyses will be performed using the software Mesquite and R when necessary. Any additional software needed for this project will be open source. We budgeted $1,050 p.a. for computer software licenses and services, including ArcGIS, Mathematica, and similar. (Total of $6,000 p.a.).

**G5 Subawards:**

There will be two subawards, Columbia University and Universidad Nacional Autonoma De Mexico. Budget and justification are given following EcoHealth Alliance’s budget (see below).