**BUDGET JUSTIFICATION**

A. Senior/Key Personnel

**Patrick Schloss, PhD.** – Principal Investigator (2.4 calendar months). Schloss is the Federick G. Novy Collegiate Professor in the Department of Microbiology & Immunology at the University of Michigan. He will direct the design and evaluation of the proposed module and will be responsible for the dissemination of the results from the project. Fringe Benefits are estimated to be 30% of total salary.

B. Other Personnel

**To be named, PhD** – Postdoctoral Research Associate (3.0 calendar months). This individual will aid in the development of the instructional materials and the dissemination of the materials. Schloss will recruit a postdoctoral research associates for this position who has an interest in teaching as a career path. Historically, all members of the Schloss lab have become trained as instructors for The Carpentries organization and take an active role in promoting reproducible research practices to other scientists. They will also participate in activities hosted by the University of Michigan’s Center for Research on Learning and Teaching (CRLT). The researcher will split their effort between this and other projects in the Schloss lab. Fringe Benefits are estimated to be 30% of total salary.

C. Equipment

NA

D. Travel

Support is requested for the PI and Postdoctoral Research Associate to both attend the two annual meetings in Bethesda, MD that are described in the RFA. Funds are also requested for the Postdoctoral Research Associate to travel to give onsite workshops at conferences (e.g. The American Society for Microbiology General Meeting and the meeting of the International Society for Microbial Ecology) to facilitate the development of the instructional materials.

E. Participant/Trainee Support

NA

F. Other direct costs

*Publication costs:* Funds are requested to facilitate the publication of two publications to disseminate the modules and broadly discuss the need for reproducible research within the microbiome research community.

*Program evaluation costs:* Funds are requested to help develop, implement, and analyze tools for assessing the efficacy of the instructional materials. Because year 3 is when most of the assessment activities will be performed, the anticipated costs are weighted accordingly.