

Other:

Teaching Materials and Supplies: \$3,650 is requested for supplies related to giving presentations, developing course modules for UMassD faculty, training language tutors. These supplies include documentaries for classroom use (8-12, ranging from \$30 to \$125 for \$850), reference library materials (\$500), teaching module supplies for UMassD community workshops (\$200), language resources (e.g., subscription to LiveMocha, Rosetta Stone) (\$700) and teaching materials for High School workshops (\$400). Costs will be much greater in first year as we build resources. Second year costs will include the same categories, but with less emphasis on reference materials and more on teaching materials specific to modules and classes developed that year. \$2,650 the first grant year and \$1,000 the second grant year.

Publication Costs (Total: \$2,400; year 1 = \$1,200; year 2 = \$1,200)

1) Program, Advising, and Recruiting materials – We will develop printed materials to distribute around campus to advisors and to circulate to high schools where we want to promote UMassD's programs.

\$XXX will be spent on supplies and printing, preparing the final training materials. It is estimated to run over 600 pages and includes more than 40 photographs and other illustrative material.

With respect to the Dell XPS 420 computer purchased under the training grant: This computer is dedicated to the processing of extraordinarily large data files which are generated by XXXX recording experiments. Moreover, I use this computer to process statistical data generated in the course of experimentation and to write documents required to matriculate through my program of study. Additionally, the Dell XPS 420 is used to prepare scientific abstracts, presentations, and posters. The presentations, both oral and poster, generated with this computer have been presented "in-house" at the University, and at a XXX conference ; activities vital to scientific professional development. This computer is not being used for general office activities, and will remain with the University and the Training Program.

In the first year, funds for two computers, a desktop and a laptop, are requested for the graduate student researcher. The desktop will provide more computational power for creating designing and modeling the prototypes, data measurement and gathering during experiments, and publication and report preparation. The laptop will be used for remote testing of the prototypes, conference travels and presentations, and travel to the collaborators university.

- i. Publication Costs: Supplies cover printing and publication costs, copying, postage, and storage media for digital data. Year 1: \$500, Year 2: \$500, Year 3: \$500, Year 4: \$500 and Year 5: \$500. Total: \$2,500.

Other Direct Costs

- i. **Materials and Supplies** – Funds are requested to purchase 3 2Ghz 8GB MacBook Airs budgeted at \$5,844 including Apple Care Protection Plan. This

machine has been chosen due to its lightweight and compact-nature which will be ideal for international travel. Funds are also requested to purchase two web licenses for Inquisit (reaction time software) budgeted at \$4,790 and two desktop licenses for the three laptops (one desktop license comes with the web licenses, budgeted at \$300 in Year 1 and covering the duration of the project. Finally, funds are requested for the necessary materials and supplies required for running each experiment, including printing informed consent, debriefing forms, and participant questionnaires. A poster for each conference will be required as well. Prices at UMassD for printing the posters typically range between \$50-80 per color poster.

- i. **Materials and Supplies** - We will purchase a PC for the project in Year 1 for \$1,400, which will be utilized by the graduate student for the XXX site development, for data collection and data analysis. Sensitive data will be collected related to the cyber site utilization. Thus having a PC dedicated to this project is important. This will also house our XXX project webpage. The PIs have computer equipment in their respective offices. Thus no costs are budgeted for this. Also, about \$800 per year for items such as equipment (video camera and voice recorder for focus groups), software (online focus groups tool <https://www.icanmakeitbetter.com/plans> for \$49/month and thus for \$558/year and online survey tool such as survey monkey \$300 annually), materials and other related costs. This also includes costs for hosting meetings with the advisory boards.

i. Materials and Supplies – Funds are allocated to be used for materials and supplies for the project, including purchase of parts needed to develop the proposed learning platform, demonstrations, video tutorials and learning materials.