

The iPhone as an Appropriate Hearing Assistive Technology in the Classroom?

MANAGEMENT AND BUDGET PLAN:

Because the proposed project will fulfill the applicant’s capstone requirement for the AuD program, the timeline reflects the schedule set forth by the department’s Audiology Research Project Manual. The table outlines the anticipated timeline of primary activities.

(Months 2018-2019)	Apr- May	Jun- Jul	Aug- Sep	Oct- Nov	Dec- Jan	Feb- Mar	Apr- May	Jun- July
Gather Materials/Set up Experiment/Calibrate								
Submit IRB/Collect and Analyze Acoustic Data								
Pilot Behavioral Measurements								
Recruit Participants								
Collect Behavioral Data								
Analyze All Data								
Prepare Manuscript								
Oral Defense of Capstone								
Present at a Conference: EAA, AAS, NJSHA, or AAA								

Because the capstone is a requirement of the Montclair AuD program, the applicant must complete data collection and a draft of the manuscript prior to entering her fourth-year clinical externship placement. Remaining requirements (completed draft, oral defense, and presentation at a professional meeting) must be completed before graduation. This summer, the applicant will begin enrolling in research courses for credit, which will designate more time and effort devoted toward the capstone requirement. The ultimate goal is for this proposal to lead to a publication to more broadly disseminate the information learned to the professional community. Once the capstone manuscript has been completed, the applicant will reformat it for submission to a relevant journal, such as the Journal of Educational, Pediatric, & (Re)Habilitative Audiology (JERPA).

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The budget for the proposed project is organized in the table below:

<i>Description/Justification</i>	<i>Amount</i>
Roger™ Pen DM system; Roger X Receiver	donated
Hearing aid to use for testing (e.g. GN Resound LiNX)	donated
Supplies for hearing aid/verification (e.g. domes, batteries, probe tubes)	250
iPhone 10	999
Subject compensation (\$50 per visit* 30 visits; extra visits are included in the estimate in case subjects are excluded or must be retested for any reason (e.g. active ear infection/cold/transient conductive component))	1500
Conference (EAA, AAS, NJSHA, or AAA) for Erin Roach (conference fee, hotel accommodations, travel, per diem).	1000
Student EAA Membership for Erin Roach: 2 years	75
Total	3874

Most of the equipment needed for performing the proposed work is available to the applicant through the resources available at Montclair State University (e.g. lab space, loudspeaker array, calibration equipment, hearing aid fitting/verification equipment, test materials). We are requesting money to reimburse consumable supplies (domes, batteries, probe tubes, etc.) so that we are not using clinical resources for this research project. Several components for the assistive technology comparisons are currently available to the student courtesy of donations from manufacturers coordinated by Maryrose McInerney (Roger™ Pen, Roger X receiver (2)). A loaner agreement for the GN Resound LiNX 3D hearing aids (2) is in progress. We are requesting money to purchase an iPhone to avoid using a personal phone for the experiment and to allow consistency across subjects. Because we are interested in testing teenagers with hearing loss, we are also requesting money to compensate them and their parents for the inconvenience, time, and travel. The final requested expenses will support the applicant's professional goals: money is requested so that she is able to attend meetings to disseminate the findings (which will also allow opportunities for networking) and to remain an EAA member for the upcoming years while she is a student.