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Speech Rhythm Entrainment in the Context of Dysarthria

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RESOURCE SHARING PLAN

Sharing of data generated by this project is an essential part of our proposed activities and will be carried out through different means. There are two types of data sharing: sharing research results with the academic and clinical community and sharing research data among the participating institutions.

Sharing data with the academic and clinical community

We will make the results of our studies available both to the academic and clinical communities interested in motor speech disorders, and to the larger scientific community studying communication disorders. Furthermore, we are open to collaboration with others that could use our automated method for quantifying entrainment in a number of different settings.

Our sharing plan includes the following:

Presentations at national scientific meetings: From the projects, it is expected that approximately four presentations at national meetings would be appropriate. These include more academic meetings such as the Conference on Motor Speech, Psychonomics, and the International Conference on Acoustics Speech and Signal Processing, and more clinical meetings, such as the American Speech and Hearing Association Conference.

Publications in peer-reviewed journals: We expect that the findings of this study will be of interest to the broader cognitive community. We will submit our findings to the relevant ASHA journals and to journals with a broader audience, such as Cognitive Science, Frontiers in Psychology, and The Journal of the Acoustical Society of America. The unique aspects of the methodology will also be submitted to the IEEE Transactions on Audio Speech and Language Processing.

Web site: We will use the PI's lab website to help share new results and to make available pre-prints as appropriate. www.humaninteractionlab.com

Central Data Repository at USU for Collaboration Between ASU and USU

At USU we will develop a central repository with common standards and an established infrastructure in order to share the data among the researchers at USU and at ASU. The repository will be established and maintained by the PI at USU. Only the PI at USU and the Co-Investigator at ASU will have access to the data.

All conversation speech recordings (existing corpus) will be maintained in the database. All speech recordings and ratings will be stored in coded files devoid of identifying information. The code key will be kept by the PI at USU on secure workstations. Data will be uploaded to the repository within 48 hours of collection.