OFFICIAL ABSTRACT and CERTIFICATION

	Analyzing language provides insight into cognitive function and improves our	Category Pick one only — mark an "X" in box at right Animal Sciences Behavioral & Social Sciences	
	Analyzing language provides insight into cognitive function and improves our understanding of how information is encoded in the brain and later retrieved for speech production. One aspect of language, called linguistic alignment, measures one's tendency to use the same speech patterns as their conversational partner. This research focused on the effect of cognitive load on linguistic alignment in order to determine whether additional processing demands disrupt one's ability to store or retrieve language information. This was achieved by asking 116 participants to complete a picture naming task in which they would listen to pictures being named and subsequently name the pictures in order to determine if they used the same name that the experimenter had previously used. Some participants also memorized digits during either speech production or comprehension. It was found that alignment occurred the most in the no-load conditions and less while the participants were under load (p < . 05). These results reject the claim that alignment provides a communicative benefit by allowing the speaker to off-load language processing and opens the door for future research to identify what about alignment is beneficial in communication and how it can be applied to improve collaboration and innovation.	Biochemistry Biomedical & Health Sciences Biomedical Engineering Cellular & Molecular Biology Chemistry Computational Biology & Bioinformatics Earth & Environmental Sciences Embedded Systems Energy: Sustainable Materials and Design Engineering Mechanics Environmental Engineering Materials Science	
1.	. As a part of this research project, the student directly handled, manipulated, or interacted with (check ALL that apply):	Mathematics Microbiology	
	\square human participants \square potentially hazardous biological agents	Physics & Astronomy Plant Sciences	
	\square vertebrate animals \square microorganisms \square rDNA \square tissue	Robotics & Intelligent	
2	. I/we worked or used equipment in a regulated research institution	Machines Systems Software	
	or industrial setting:	Translational Medical	
3.	. This project is a continuation of previous research. $\hfill\square$ Yes $\hfill\square$ No	Sciences	
4.	. My display board includes non-published photographs/visual ☐ Yes ☐ No depictions of humans (other than myself):		
5.	. This abstract describes only procedures performed by me/us, $\ \square$ Yes $\ \square$ No reflects my/our own independent research, and represents one year's work only		
6.	. I/we hereby certify that the abstract and responses to the $\hfill\square$ Yes $\hfill\square$ No above statements are correct and properly reflect my/our own work.		
a	This stamp or embossed seal attests that this project is in compliance with all federal and state laws and regulations and that all appropriate reviews and approvals have been obtained including the final clearance by the Scientific Review Committee.		