

Lindsey Brooker, Communications and Science Disorders Major

The Effects of Frequency Altered Feedback (FAF) on Voice and Fluency

Proposal: Ms. Brooker intends to join Dr. Kisenwether, Adjunct Instructor of Communications and Science Disorders, and Dr. Unger, Associate Professor of Communications and Science Disorders, on a study designed to determine if Frequency Altered Feedback, a tool that will allow the speaker to hear their voice in a higher or lower pitch, improves a speaker's fluency based on the way that they hear themselves. For this study, eighty adult participants will be recruited; half of these recruits will have developmental stuttering, while the other half will be fluent speakers. Participants will be recorded during three spontaneous speech tasks, one without any exposure to FAF to establish a baseline measure, the second with exposure to FAF experiencing a 50Hz shift up, and the third with exposure to FAF and a 50Hz shift down. After the study is complete, Ms. Brooker will be able to look at the average fundamental frequency of the entire speech sample and see if the altered conditions caused a change of pitch.

Rhea French, Psychology Major

Effects of THC in Adolescent Rodents

Proposal: Ms. Rhea intends to test Delta-9-tetrahydrocannabinol in rodents. These tests will determine if the intake of THC during the adolescent period may trigger cognitive, behavioral, and locomotive deficits. In past studies, it is hypothesized that THC does trigger these deficits. Ms. Rhea would like to conduct testing herself to see if these effects occur in just a short-term period.

Jennifer Gundrum, Chemistry Major

Computational Chemistry

Proposal: Ms. Gundrum will use computational chemistry to study salt solutions. Computational chemistry uses computers and mathematical models to predict, understand, and examine how molecular interactions influence chemical behavior through simulations. Ms. Gundrum will be using the known values of specific salt solutions to optimize the solution models. Once parameters are found, Ms. Gundrum will use computational chemistry to predict certain characteristics of the solutions near saturation.

Daniel Haglund, Religious Studies

Julian of Norwich and Rabi 'a al-'Adawiyya Compare & Contrast

Proposal: Mr. Haglund will conduct a compare and contrast analysis on Julian of Norwich and Rabi 'a al-'Adawiyya, who both expressed strong feelings of divine love. There is no secondary literature to review that connects these two individuals. Mr. Haglund will work with these two women to find out their similarities in order to explore their respective abilities to bypass gender roles as religious agents. He will also look at their different experiences, descriptions and common themes between both of their religions.

Jessica Lamoureaux, English Major

Critical Readings of Children's Texts

Proposal: Ms. Lamoureaux will discuss Phillip Pullman's *His Dark Materials* and contend that this book series reproduces John Milton's *Paradise Lost*, in a different way. Through this research, Ms. Lamoureaux will explore critical readings of children's texts and state why they are so important. With the help of Dr. Brian Sweeney, Associate Professor of English, Ms. Lamoureaux will display how by challenging traditional ideological stances and ingrained dogmas, there is a new avenue of thought for young readers.

Jeanine Rodriguez, Biology Major

Frequency of Contamination with Salmonella Enterica

Proposal: Ms. Rodriguez intends to conduct a study that will determine the frequency of contamination with *Salmonella enterica* in homes with different level exposures, to further add to and update the published study about this matter that was conducted in 2002. Ms. Rodriguez will work with Dr. Kari Murad, Professor of Biology at The College of Saint Rose, and Mr. Dan H. Rice, Director of the New York State Food Safety Labs and other of the 2002 study, to gather the necessary information. Ms. Rodriguez will collect vacuum bags from these different level exposures and then conduct testing on the bags, using specific techniques.

Schuyler Rodney, History Major

Manufacturing the Republic: Workers Charity, and Debates about Civic Inclusion in the Upper Hudson Valley, 1787-1825

Proposal: Mr. Rodney intends to test the thesis about the rise of market capitalism and the findings that concern the structure of early urban labor markets; it will be related to Albany and Troy, discussing how they dealt with these changes. This study will seek to understand complicated relationship between elite and middle class residents of the area and the newly arrived landless workers. Mr. Rodney hypothesizes that Albany's Federalist elites used well established social institutions and pursued private philanthropic efforts to manage the influx of unruly newcomers, whereas the relatively young city of Troy lacked the institutional development of its neighboring city and thus struggled to incorporate a new landless class of industrial worker.