My laboratory is now studying the:
• New paradigms for establishing equivalence classes
• Effects of nodal structure on relational strength in equivalence classes,
• Complex category formation by merger of equivalence and perceptual classes
• Neural concomitants of equivalence classes
• Contextually guided classification of symbols
• Equivalence based instruction of college level subject matter

Current projects:
• Event Related Potential Correlates of Nodal Distance Effects in Equivalence Classes
• Multi-element Attention: Correspondences between Complex Graphs and Descriptions
• Inducing Written Descriptions of Complex Data by Equivalence Class Formation
• Steady State Effects of Nodal Distance in Large Multi-nodal Equivalence Classes
• Teaching Statistical Interaction via Equivalence Based Instruction

Recent Publications:
Jack Spear
718-997-3558
Jspear@gc.cuny.edu

“I am interested in stimulus control and equivalence, and entered Dr. Fields’ lab. We’re working on several projects that have both basic and applied significance: measuring attention to complex information, which is complex stimulus control, and using equivalence class formation to teach statistical interaction. It’s this combination of the two types of research, basic and practical, that I find ideal.”

Robert Travis
718-997-3558

“Over the past year, I have worked on studies assessing concept formation. Specifically, we have developed a computer program that has been used to study the neural correlates of equivalence class formation. My research interests include the efficacy of using procedures other matching-sample to establish equivalence classes, and the extent to which nodal structure effects equivalence class formation and the relatedness of stimuli in an equivalence class.”

Erica Doran
718-997-3558

“After over a decade as a practicing attorney, I missed the intellectual stimulation of academia and the pursuit of new knowledge. Thus, I decided to earn an advanced degree in psychology. I was drawn to this program because of my affinity to a behavioral perspective, its’ well-rounded and well-respected faculty, the collegiality of the other students, its flexibility, and cost-effectiveness. Once in the program, I joined the Learning Lab. My research focuses on the parameters and procedures that enhance the formation of equivalence classes.”