Our human ability to solve the cocktail party problem (CPP), the ability to listen selectively in an environment with multiple sources, is excellent, even relative to the best engineering systems. This ability allows us to enjoy interactions in social environments, environments that frustrate the abilities of those of us with hearing impairments. This important hearing capability depends on multiple factors, including overall hearing sensitivity, binaural processing, and temporal processing, as well as language abilities. This talk will review recent experiments as well as theoretical modeling work that attempt to relate CPP performance to abilities corresponding to these multiple factors.

Friday, March 4, 2016
10:15am, Room 1103 Bioscience Research Building