Abstract
Investigations of decision-making have historically been approached by different disciplines, each using different techniques and assumptions, with few unifying efforts made. In recent years researchers in these fields have joined forces in an effort to better specify the foundations of decision-making. This inter-disciplinary effort has begun to use decision theory to guide the search for the neural bases of reward value and predictability. Concurrently, these formal models are beginning to incorporate processes such as social reward and emotion. The combination of these diverse theoretical approaches and methodologies is already yielding significant progress in the construction of more comprehensive decision-making models, and I will discuss data from my laboratory that attempts to understand decision-making from both a cognitive and neural perspective.

University qualifications
PhD: University of Colorado, Cognitive Psychology
MA: University of Colorado, Cognitive Psychology
BA: University College Dublin, Psychology

Selected publications

