

Developmental neuroscience

We are interested in typical and atypical social-emotional, social-communicative, and language development.

We utilise electroencephalography (EEG), event-related potentials (ERP), visual psychophysics, eye-tracking, and clinical-behavioural measures in our research. The primary focus of our work is on young children diagnosed with autism, as well as infants who are at high risk for developing autism and other developmental and psychiatric disorders.

Podcast

Dr Joe McCleery has been conducting a study which involves monitoring babies' brain activity as they watch and listen to paper being ripped up, and compares it to their reactions to sounds not caused by human activity. This research is showing that infants have a special interest in sounds made by people, and that they process them in specialist brain regions on the left side of the brain. **[Listen to the podcast of Dr McCleery discussing this research.](#)**

http://www.ideaslab.bham.ac.uk/MP3s/Dr_Joe_McCleery_Podflash.mp3