ICFO

L4H SEMINAR: Using fNIRS to understand real-world social interaction

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September 19, 2022
12:00 to 13:00
Auditorium & Online (Zoom)

ABSTRACT:
fNIRS devices open up a new way to examine the human brain during natural social interaction. This talk will consider the opportunities and challenges of this new technology including how to design experiments that make the best use of fNIRS and how to analyse an interpret rich complex hyperscanning datasets. I will share data from several fNIRS studies f social sharing, imitation and actors performing Shakespeare on stage, and will discuss h w different models can help us make sense of these dat

BIO:
Professor Hamilton is the leader of the Social Neuroscience group at the Institute o Cognitive Neuroscience (UCL). She completed a PhD on the impact of neuronal noise for he optimal control of human arm movements (UCL, 2002) and has since worked on imitat on and brain systems for social interaction. She was awarded the Experimental Psychol gy Society prize lectureship for 2013. Her current research interests include how and hy people imitate each other, how social skills differ in autism, and the neural mechanisms of social interacti

Hosted by: Turgut Durduran and Michael Krieg