



# A CLINICAL TOOL FOR PREDICTING RECOVERY OF SPEECH PRODUCTION AFTER STROKE

A TALK BY  
**CATHY PRICE**

**UNIVERSITY  
COLLEGE LONDON**

**28**  
**FEBBRAIO**  
**14:30**  
AULA SEMINARI VIMM  
FONDAZIONE RICERCA  
BIOMEDICA AVANZATA  
VIA ORUS, 2  
**PADOVA**

Talk will be divided into 5 sections: First to be discussed will be importance of understanding inter-patient variability in recovery after stroke before we can generate prognoses for new patients and evaluate the effects of new treatments. Second will be the need for big data sets and the challenges associated with analysing these data. Third will be to introduce a new prediction method called the Triple S lesion search. Fourth will be to illustrate how accurately this approach predicts recovery of speech production in hundreds of patients. Fifth will be the future directions for generating a clinical tool, predicting other outcomes and understanding the neural mechanisms that support recovery.



**Cathy Price** is an expert in the use of structural and functional brain imaging for understanding cognitive processing in the neurologically healthy and damaged brain. Her basic training was in Physiology and Psychology and she has a PhD in cognitive neuropsychology. Since 1997, she has been funded by the Wellcome Trust to build a functional anatomical model of auditory and visual word processing that will predict language outcome after brain damage. Currently, her focus is on the clinical translation of her science. In particular, she is developing a clinical tool that uses lesion site to predict and understand the most likely outcome and recovery of language abilities after stroke.



Un ciclo di seminari organizzato da

**PADOVA NEUROSCIENCE CENTER**  
**UNIVERSITÀ DEGLI STUDI DI PADOVA**