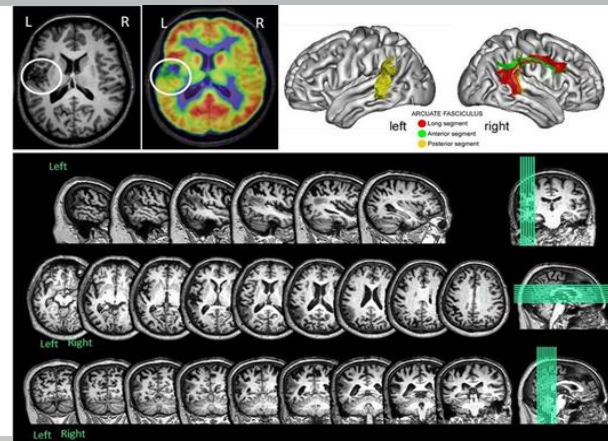




## COGNITIVE NEUROSCIENCE: APHASIA AND RELATED DISORDERS



### INTRODUCTION

The research group of the Faculty of Psychology and Speech Therapy has an Audiovisual Laboratory including a soundproof booth for the Evaluation of Aphasia in the Cognitive Neurology and Aphasia Unit (UNCA) of the Centre for Medical and Health Research (CIMES). Moreover, the group belongs to the Biomedical Research Institute of Malaga - IBIMA. Finally, we can highlight that this interdisciplinary group has extensive experience in studying aphasia and maintains frequent collaborations with other leading groups in this field of research at an international level.

### RESEARCH TOPICS

- Combined treatment (intensive language therapy, pharmacological treatment, and non-invasive brain stimulation) of chronic post-stroke aphasia and associated psychiatric disorders as well as in speech disorders.
- Brain plasticity mechanisms are involved in aphasia rehabilitation, repetition and word learning in healthy subjects and persons with chronic post-stroke aphasia.
- Non-linguistic cognitive functions required in recovery from chronic post-stroke aphasia.
- Neuroanatomical and functional networks of speech production in foreign accent syndrome and its variants.

### SCIENTIFIC-TECHNICAL SERVICES

- Clinical trials on aphasia treatments.
- Scientific advice on the treatment of chronic post-stroke aphasia: clinical and translational research; teaching.
- Scientific-technical advice and post-processing of functional and structural Magnetic Resonance Imaging. Research into the brain networks involved in the benefits of aphasia treatments.
- Orientation towards personalised treatment of chronic post-stroke aphasia.
- Organisation of meetings and specialised training courses for health professionals on aphasia treatment based on scientific evidence.

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