



# UNIVERSIDAD DE GRANADA

Máster Universitario en  
Neurociencia Cognitiva  
y del Comportamiento

## **Talk by Dr. E. Rossi "Using neural oscillations to inform bilingualism research"**

Dónde el Mié, 08/02/2023 - 14:00



**Wednesday, 8th of February 2023, 13:00**

Sala deconferencias 1,CIMCYC

**Title:** Using neural oscillations to inform bilingualism research

**Speaker:** Eleonora Rossi - University of Florida

**Abstract:** The study of the brains' oscillatory activity has been a standard technique to gain insights into human neurocognition for a relatively long time. However, as a complementary analysis to ERPs, only very recently has it been utilized to study bilingualism and its neural underpinnings. Here, I will provide a theoretical and methodological starter for scientists in the (psycho) linguistics and neurocognition of bilingualism field(s) to understand the bases and applications of this analytical tool. Towards this goal, we provide a description of the characteristics of the humanneural (and its oscillatory) signal, followed by an in-depth description of various typesof EEG oscillatory analyses, supplemented by figures and relevant examples. I will,then, utilize the scant, yet emergent, literature on neural oscillations andbilingualism to highlight the potential of how analyzing neural oscillations canadvance our understanding of the (psycho)linguistic and neurocognitiveunderstanding of bilingualism.