



UNIVERSIDAD
DE GRANADA

Máster Universitario en
Neurociencia Cognitiva
y del Comportamiento

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

~~Desde~~ el Mié, 08/02/2023 - 13:00



Wednesday, 8th of February 2023, 13:00

Sala de conferencias 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 human neural (and its oscillatory) signal, followed by an in-depth description of various types of EEG oscillatory analyses, supplemented by figures and relevant examples. I will, then, utilize the scant, yet emergent, literature on neural oscillations and bilingualism to highlight the potential of how analyzing neural oscillations can advance our understanding of the (psycho)linguistic and neurocognitive understanding of bilingualism.