



**CONNECT**  
COGNITIVE DECLINE IN NEPHRO-NEUROLOGY

# Signal and imaging biomarkers of cognitive status

TRAINING SCHOOL, 1-2 SEPTEMBER 2023

FACULTY OF SCIENCES, UNIVERSITY OF LISBON, PORTUGAL

DAY 1 (FRIDAY, SEPTEMBER 1)

9:00-9:15	Introduction-Alexandre Andrade
9:15-10:15	Molecular mechanisms of aging-Sandra Tenreiro
10:15-11:15	Assessment of cognitive status – a psychological point of view-Raquel Lemos
11:15-11:30	COFFEE-BREAK
11:30-12:30	Cognition: how to assess mild cognitive dysfunction; specificities of CKD-Marion Pépin
12:30-14:00	LUNCH
14:00-15:00	Basics of EEG + auxiliary physiological signals (ECG, EMG, eye tracking)-Carlotta Cogoni / Maciej Kosito
15:00-16:00	Basics of fMRI + functional connectivity.-Alexandre Andrade
16:00-16:30	COFFEE-BREAK
16:30-17:30	Cognitive assessment using EEG and fMRI-Alexandre Andrade





## DAY 2 (SATURDAY, SEPTEMBER 2)

9:00 – 12:30  
(COFFEE  
BREAK  
AROUND  
11:00)

Hands-on session: EEG acquisition + preprocessing-  
Carlotta Cogoni / Maciej Kosito

12:30-  
14:00

LUNCH

14:00-  
15:30

Hands-on session: EEG analysis-Carlotta Cogoni / Maciej Kosito

15:30-  
16:00

COFFEE-BREAK

16:00-  
17:30

Hands-on session: fMRI analysis + final remarks-Alexandre Andrade

## TRAINER LIST

Alexandre Andrade – Institute of Biophysics and Biomedical Engineering, Faculty of Sciences of the University of Lisbon

Carlotta Cogoni - Institute of Biophysics and Biomedical Engineering, Faculty of Sciences of the University of Lisbon

Maciej Kosito - Institute of Biophysics and Biomedical Engineering, Faculty of Sciences of the University of Lisbon

Marion Pépin - Ambroise Paré University Hospital, Boulogne; INSERM Center for Epidemiology and Population Health, Villejuif

Raquel Lemos – Champalimaud Foundation, Lisbon

Sandra Tenreiro – NOVA Medical School | Faculdade de Ciências Médicas, Universidade NOVA de Lisboa, Lisbon