

# II IMAGE ANALYSIS COURSE

May 25–26, 2026  
Instituto de  
Neurociencias  
CSIC – UMH

**PhD Program in Neuroscience 2025–2026**

## **COURSE OVERVIEW:**

**A comprehensive two-day course combining theory and hands-on sessions in digital image analysis for neuroscience:  
Fundamentals of digital imaging and image processing  
Quantitative analysis using ImageJ**

## **SPEAKERS:**

**Jose Manuel Morante  
Manel Bosch**

### **Organized by**

**Aida Giner- Microscopy Facility - IN**

**In collaboration with:**

**Cruz Morenilla - Coordinator of the PhD program**

**Registrations opened**



**Register here**



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## PROGRAM

25 - May - 2026		26 - May - 2026
9:00 - 11:00	(Welcome) <b>Fundamentals of digital imaging</b> <i>José Manuel Morante</i>	<b>Basic automatization with Image J macros</b> <i>Manel Bosch</i>
11:00 - 11:30	<b>Coffee break</b>	<b>Coffee break</b>
11:30 - 13:30	<b>Digital pre-processing: operations for error correction and image enhancement</b> <i>José Manuel Morante</i>	<b>Quantifiable parameters in the digital image. Image J parameter repertoire</b> <i>José Manuel Morante</i>
13:30 - 15:00	<b>Lunch</b>	<b>Lunch</b>
15:00 - 16:30	<b>Image segmentation techniques</b> <i>Manel Bosch</i>	<b>Examples and case studies (hands-on)</b> <i>José Manuel Morante</i>
16:30 - 16:45	<b>Coffee break</b>	<b>Coffee break</b>
16:45 - 18:15	<b>Selection of the measurement region and manipulation of binary images</b> <i>Manel Bosch</i>	<b>IN-Microscopy Facility Equipment and Applications</b> <i>Aida Giner de Gracia</i>