A series of five vertical panels showing different microscopy images of neurons. The first panel shows a neuron with a bright blue nucleus and branching processes. The second panel shows a neuron with red processes. The third panel shows a neuron with green processes. The fourth panel shows a neuron with white processes. The fifth panel shows a neuron with blue processes.

Hands-On Course on Microscopy Imaging Analysis

Coimbra, 12th-14th March 2014

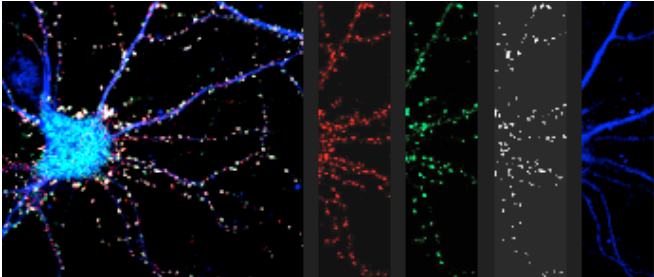
Programme

Day 1: Wednesday, March 12th

- 09:00** | Welcome Reception
- 09:15** | Fluorescence Microscopy: Different ways to visualize your cells | *Luísa Cortes* | CNC, Coimbra
- 10:15** | Short Break
- 10:30** | Live-cell imaging | *José Rino* | IMM, Lisbon
- 11:30** | Intracellular Calcium Imaging | *Margarida Caldeira* | CNC, Coimbra
- 12:30** | Lunch Break
- 13:30** | Hands-on session on Imaging System
- 14:45** | Hands-on session on Imaging System
- 16:00** | Short Break
- 16:15** | Hands-on session on Imaging System
- 17:30** | Hands-on session on Imaging System
- 18:45** | End of session

Day 2: Thursday, March 13th

- 09:30** | Image Analysis: First steps on FIJI | *Luísa Cortes & José Rino* | CNC, Coimbra & IMM, Lisbon
- 10:30** | Quantitative imaging approaches to evaluate the synaptic expression of glutamate receptors in cultured neurons | *Sandra Santos* | CNC, Coimbra
- 11:30** | Short Break
- 12:00** | Automated imaging quantification: an introduction to ImageJ macros | *Jorge Valero* | CNC, Coimbra
- 13:00** | Lunch Break
- 14:30** | Hands-on session on Image Analysis
- 16:00** | Short Break
- 16:30** | Hands-on session on Image Analysis
- 18:00** | End of session



Hands-On Course on Microscopy Imaging Analysis

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Day 3: Friday, March 14th

09:30 | Hands-on session on Image Analysis

11:00 | Short Break

11:30 | Hands-on session on Image Analysis

13:00 | Closing – Certificates Distribution

13:15 | Final lunch

Hands-on Schedule

Day 1: Hands-on session on Imaging Systems

Time	Widefield+Apotome	Single Cell Calcium Imaging	Confocal
13:30	G1	G2	G3
14:45	G4	G1	G2
16:15	G3	G4	G1
17:30	G2	G3	G4

Day 2: Hands-on session on Imaging Analysis

Time	Luisa Cortes	Jorge Valero	Sandra Santos	José Rino
14:30	G1	G2	G3	G4
16:30	G4	G1	G2	G3

Day 3: Hands-on session on Imaging Analysis

Time	Luisa Cortes	Jorge Valero	Sandra Santos	José Rino
9:30	G3	G4	G1	G2
11:30	G2	G3	G4	G1

Luisa Cortes: “Introduction to FIJI and Intracellular Calcium Quantification”

Jorge Valero: “Introduction to FIJI Macros”

Sandra Santos: “Puncta analysis with FIJI”

José Rino: “FRAP quantification with FIJI”