

Tissue Clarification Workshop

23-25 April 2018

Instituto de Neurociencias Alicante
CSIC UMH

The Instituto de Neurociencias de Alicante (CSIC-UMH) is pleased to announce a new Severo Ochoa-funded workshop organized by the Cellular and Systems Neuroscience Unit. In order to facilitate the implementation of novel brain clarification techniques, we have organized a mini-course to respond the needs of the research groups interested in these methodologies.

The workshop will cover common methods of tissue clarification like Clarity and iDisco, imaging of clarified samples and post-hoc analysis using the Imaris software. To help us with each of these aspects, we will count with experts in the field:

Lana Bosanac – Clarity (Isogen Life Science)

Christian Feuillet – Light Sheet Microscopy (La Vision BioTec)

Delisa García – Imaris Software (Bitplane)

Nuria Matas – Clarity (Isogen Life Science)

Thomas Topilko – iDisco (Brain and Spine Institute - Structural Plasticity Lab)

The course will consist of brief theoretical seminars with most of the time dedicated to hands-on sessions in which the experts will work with small groups of people with similar interests.

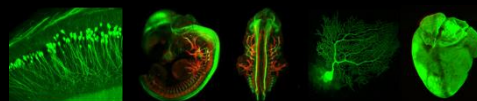
Patrocinadores:



Coordinadoras: Sandra Jurado Sánchez
Giovanna Expósito Romero
Verona Villar Cerviño

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PROGRAMME AT A GLANCE

MONDAY 23 APRIL

| | | | |
|---------------|--|----------------------------------|--|
| 12:00 – 12:05 | WELCOME AND INTRODUCTION – Salón de Actos IN | | |
| 12:05 – 14:00 | SHORT THEORETICAL SEMINARS FROM THE EXPERTS Christian Feuillet, Delisa García, Lana Bosanac | | |
| 14:15 – 15:00 | LUNCH | | |
| 15:00 – 17:00 | IMAGING GROUP 1 | IMARIS – Sala 1* GROUP IMARIS | PROTOCOL CONSULTATION GROUPS 2-4 and IMAGING |
| 17:00 – 17:30 | BREAK | | |
| 17:30 – 19:30 | IMAGING GROUP 1 | IMARIS – Sala 1* GROUP IMARIS | PROTOCOL CONSULTATION GROUPS 2-4 and IMAGING |

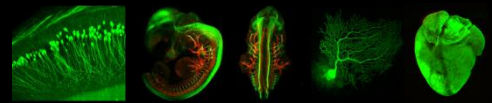
TUESDAY 24 APRIL

| | | | |
|---------------|-----------------|----------------------------|---|
| 09:00 – 11:30 | IMAGING GROUP 2 | IMARIS – Sala 2 GROUP 1 | PROTOCOL CONSULTATION GROUPS 1 and IMARIS |
| 11:30 – 12:00 | BREAK | | |
| 12:00 – 14:00 | IMAGING GROUP 2 | IMARIS – Sala 2 GROUP 1 | PROTOCOL CONSULTATION GROUPS 1 and IMARIS |
| 14:00 – 15:00 | LUNCH | | |
| 15:00 – 17:00 | IMAGING GROUP 3 | IMARIS – Sala 2 GROUP 2 | |
| 17:00 – 17:30 | BREAK | | |
| 17:30 – 19:30 | IMAGING GROUP 3 | IMARIS – Sala 2 GROUP 2 | |

*Note: Imaris session will take place in Sala 1 on Monday, and moved to Sala 2 for Tuesday and Wednesday sessions

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PROGRAMME AT A GLANCE

| WEDNESDAY 25 APRIL | | |
|--------------------|-----------------------|-------------------------|
| 09:00 – 11:30 | IMAGING GROUP 4 | IMARIS – Sala 2 GROUP 3 |
| 11:30 – 12:00 | BREAK | |
| 12:00 – 14:00 | IMAGING GROUP 4 | IMARIS – Sala 2 GROUP 3 |
| 14:00 – 15:00 | LUNCH | |
| 15:00 – 17:00 | IMAGING GROUP IMAGING | IMARIS – Sala 2 GROUP 4 |
| 17:00 – 17:30 | BREAK | |
| 17:30 – 19:30 | IMAGING GROUP IMAGING | IMARIS – Sala 2 GROUP 4 |

- In addition to the regular groups (Groups 1-4), there are two focus groups on Imaging and Imaris, that will only attend either imaging or Imaris sessions.
- Group organization will be announced one week in advance to the workshop.
- An extra Light Sheet Microscope will be available for the course, so groups will be splitted in two teams lead by Thomas Topilko and Christian Feuillet.
- There will be 4 Imaris stations in Sala 2.
- The clarification with Clarity will start the week of 16-20 April. The system will be installed in lab 127.
- Everyone is welcome to attend the protocol consultation sessions and theory seminars on Monday.
- A certificate of assistance will be provided to the participants