

3-4 July 2024

Hand-on workshop

How to detect protein-protein interactions - Latest innovations in Proximity Ligation Assay

Learn about the latest advancements in spatial proteomics

In this session, you will learn how to visualize protein interplay *in situ* and how the latest in situ (Naveni) proximity ligation technologies are pioneering molecular biology research. We will also give you a chance to ask all your questions on how to get started and what to think about in the lab when setting up your proximity ligation experiment. Our workshops are targeted at doctoral practitioners or those that are looking for post-graduation training. A limited number of spaces are available (12 participants). Therefore, you are encouraged to make your reservation as soon as possible. Participants in our workshops can expect tailored advice and support on the development in situ PLA assays to its successful execution.

Come learn about the latest advancements in spatial proteomics and get some coffee and cookies/buns.

When: July 3 (15:00-18:00) and 4 (10:00-12:30)

Where: Aula de Grados. Facultad de Medicina.

Campus Teatinos. Málaga, España.

Organizers:

Dasiel O. Borroto-Escuela

Kjell Fuxe

Adam Danielson

Manuel Narváez

Register here!

<https://forms.gle/Fn2rSKH7snMsJYKJ8>

Agenda

Day 1

15:30 Welcome and fika (coffee and buns)
Kjell Fuxe and Adam Danielson,, Karolinska Institutet, Sweden

Latest advancements in spatial proteomics

15:45 Visualizing receptor-receptor interactions in CNS using in situ Proximity Ligation Assay . Dasiel Oscar Borroto Escuela, University of Malaga.

Proximity Ligation Assay – research examples

16:45 Development and identification of inhibitors targeting Pot1/SerS and POT1/TTP1 interactions in telomerase control and cellular senescence. Javier Rojas, University of La Frontera, Chile.

17:15 Investigating Alpha-Synuclein-GPCR and GPCR-GPCR Heterocomplex Alteration in the BSSG Rat Model of Parkinson's Disease, and In Vitro. Malak Choucri. University of Oxford, UK.

17:45 Detection, visualization and quantification of protein complexes in human Alzheimer's disease brains using proximity ligation assay. Wilber Romero & Matthew S Schrag. Vanderbilt University. USA

Day 2

Tips become a in situ PLA pro

10:00 How to set up a Proximity Ligation Assay. Dasiel O. Borroto-Escuela, University of Malaga.

11:00 How to measure and quantitate the signal (on-hand training). Fidel Corrales. University of Malaga.

11:45 Q and A session