

## CiQUS Lecture



**Lipids: friend or foe in tissue homeostasis**  
**Dr. Patricia Barral**  
*The Francis Crick Institute and The Peter Gorer Department of Immunobiology  
 King's College London*




More info: [Lecture web page](#)



**Wednesday, December 22, 2021**  
**10:00 a.m. CiQUS Seminar Room & Zoom Session**

FONDO EUROPEO DE DESENVOLVEMENTO REGIONAL  
 PO FEDER Galicia 2014-2020 – *Unha maneira de facer Europa*

**Barral lab - Immune Responses to Lipids Laboratory:** <https://www.crick.ac.uk/research/labs/patricia-barral>

### Abstract:

Our research aims to understand the mechanism by which lipids (both endogenous or from microbes) control cellular function ultimately regulating tissue physiology in health and disease. We primarily focus on barrier tissues (intestine, lung, skin) which are constantly exposed to external insults, placing unique demands on resident lymphocytes. In this seminar I will examine how lipid-mediated immune responses contribute to the control of intestinal homeostasis and discuss novel processes by which lipid metabolism regulates the activation and function of immune cells.

### Dr. Patricia Barral – Short CV:

Dr Barral obtained her PhD in Biochemistry and Molecular Biology at the Universidad Complutense de Madrid (Spain) in 2005, studying the mechanisms underlying allergic responses.

After a short postdoc at the Universidad de Santiago de Compostela (Spain) she joined the Cancer Research UK London Research Institute to work with Facundo Batista, where she used in vivo imaging techniques to decipher the cellular interactions regulating lymphocyte activation.

In 2013 she established her lab at King's College London, which became part of the Francis Crick Institute in 2015.