



**IRB**  
BARCELONA

INSTITUTE  
FOR RESEARCH  
IN BIOMEDICINE



Multiscale  
Complex  
Genomics



# Barcelona BioMed Workshops



## Multi-scale Genomics workshop: Multi-scale study of 3D Chromatin structure

This short workshop will introduce delegates to the Virtual Research Environment (VRE), created by the Multi-scale complex Genomics project (MuG), to facilitate the analysis and interpretation of the 3D and 4D structure genome.

The MuG VRE integrates a range of data from genome annotation to 3D folding and DNA flexibility. Recent studies have shown the role that genome organisation can play in gene expression and the VRE has been designed to provide a way of analysing such data.

The workshop will demonstrate how to use the multi-scale features of the VRE through integrated tools for the study of Nucleosome dynamics and for the analysis of Hi-C data and visualization of 3D models.

**Organizers:** Modesto Orozco (IRB Barcelona), Marc Marti-Renom (CNAG-CRG), Giacomo Cavalli (IGH-CNRS)

**Date:** Wednesday 15<sup>th</sup> November

**Time:** 14.30-18.30h

**Venue:** [Institut d'Estudis Catalans](#)  
(Sala Puig i Cadafalch)



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