

# GENETICS, BIOINFORMATICS, AND SYSTEMS BIOLOGY COLLOQUIUM

THURSDAY MARCH 10  
12:00PM PST

ON ZOOM!

[CLICK HERE](#)

PASSWORD: **GENOME**

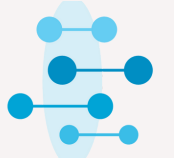
PRESENTED BY:



For information on upcoming lectures, visit [genomic.weebly.com](http://genomic.weebly.com)

SPONSORED BY:

CC  
MI



Cancer Cell  
Map Initiative



## ROSER VENTO-TORMO, PHD

GROUP LEADER, CELLULAR GENETICS  
WELLCOME SANGER INSTITUTE

### ”MAPPING THE DEVELOPMENT AND REGENERATION OF REPRODUCTIVE TISSUES”

The study of reproductive tissues requires a systems biology approach. Their development starts in utero and does not finish until after puberty, leading to changes in organization and cell composition across the lifespan via paracrine (e.g. folliculogenesis) and endocrine (e.g. menstrual cycle) signals. Our team has generated a comprehensive map of fetal and adult reproductive tissues using a combination of single-cell and spatial transcriptomics, chromatin accessibility assays and fluorescent microscopy. We utilise this map to study the aetiology of reproductive disorders, identify novel therapeutic targets, and guide the development of in vitro models.

Organization Committee: J. Gleeson, J. Sebat  
GBSBC Seminar Coordinator: R. White

[WWW.GENOMIC.WEEBLY.COM](http://WWW.GENOMIC.WEEBLY.COM)