CDB SEMINAR

Richard Behringer

Department of Genetics, The University of Texas MD Anderson Cancer Center

Wednesday, September 14, 2016

16:00~17:00 Auditorium C1F

Developmental Genetics of Mammalian Reproductive Organs

Summary

The mammalian female reproductive organs are essential for fertility and are a common site or source of disease. Developmental, experimental embryological and time lapse-imaging studies will be presented to understand the molecular and cellular mechanisms that regulate the formation of the uterus and oviducts from a simple epithelial tube with associated mesenchyme. The progenitor tissue of the uterus and oviducts also forms in genetic males but is eliminated by hormones secreted by the fetal testis. We are defining the molecular pathway from the fetal testis to regression of the uterine/oviductal progenitor tissues during male sexual differentiation. Defects in the differentiation of the male and females phenotypes can lead to disorders of sexual development.

Host:
Yasuhide Furuta
Genetic Engineering, CLST
frty@cdb.riken.jp
Tel:078-306-0106
(ext:4331)