12 JUNE

4.30 P.M.
ROOM A102
POVO 1

RASMUS SIERSBÆK

DEPARTMENT OF BIOCHEMISTRY & MOLECULAR BIOLOGY
UNIVERSITY OF SOUTHERN DENMARK, ODENSE

Steroid hormone receptor and MYC action at enhancers in cancer

Deregulation of transcriptional and epigenetic mechanisms is a hallmark of cancer development and progression. In breast cancer, the two steroid hormone receptors, estrogen receptor α and glucocorticoid receptor, are key transcriptional drivers of cancer biology.

We have recently identified a feedforward loop involving co-binding of steroid hormone receptors and MYC at enhancers in breast cancer. We demonstrate that MYC directly regulates the activity of these enhancers to promote cancer progression. Interestingly, the mechanistic role of MYC at enhancers is different from its role at promoters, and we propose that MYC enhancer activity represents a potential therapeutic vulnerability in cancer. In this talk, I will present our most recent findings on the function of steroid hormone receptors and MYC at transcriptional enhancers in cancer.

CIBIO EXTERNAL SEMINAR

UNIVERSITÀ DI TRENTO
Dipartimento di
Biologia Cellulare, Computazionale e Integrata - CIBIO

DEPARTMENT OF CELLULAR, COMPUTATIONAL AND INTEGRATIVE BIOLOGY - CIBIO
VIA SOMMARIVE, 9
38123 - POVO (TN)
COMUNICAZIONE.CIBIO@UNITN.IT