

Seminar



## Pr. Julio Aguirre-Ghiso

Rose C. Falkenstein Chair in Cancer Biology,  
Professor of Cell Biology  
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**Friday, November 10<sup>th</sup> 2023**  
**05:00 pm CET (11:00 a.m. EST; 8:00 a.m. PST)**

Institut Curie Research Center  
Amphithéâtre Burg, 12 rue Lhomond, Paris 5e

The seminar will also be broadcasted [online via Teams](#)

### «Unraveling the enigma of uveal melanoma dormancy in the liver »

We reveal, using unbiased isolation of quiescent uveal melanoma (UM) disseminated cancer cells (DCCs) from the liver, that in human and mouse uveal melanoma in vivo models, the lineage commitment nuclear receptor NR2F1 is a key regulator of UM DCC dormancy. Mechanism analysis revealed that dormant UM DCCs upregulate NR2F1 expression that represses YAP1/TEAD transcription and growth programs through active chromatin remodeling. In vivo CRISPR KO of NR2F1 results in dormant DCC awakening and massive liver metastatic disease. Our work provides answers to the long-held mystery in medical oncology of UM dormancy.

Invited by:

**The Uveal Melanoma Medico-Scientific Program**

*Sergio Roman-Roman, Institut Curie*

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