



Giovedì 26 Settembre, ore 14:00

Aula Magna

Viale Regina Elena 295


Prof. Dr. Sigrun Smola



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***Immunopathogenesis of HPV-driven
carcinogenesis and prospects for
immunotherapy***

Approximately 5% of all human cancers are caused by human papillomavirus (HPV) infection. HPV-driven anogenital cancers develop through stages of low- and high-grade intraepithelial neoplasia. Evasion from immunosurveillance favors viral persistence, a prerequisite for cancer development. However, the mere presence of oncogenic HPV is not sufficient for malignant progression and additional tumor-promoting steps are required. Our studies provide evidence that HPV-transformed cells actively promote chronic stromal inflammation and conspire with cells in the local microenvironment to promote expansion of the stem cell compartment paving the way for carcinogenesis.



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