

## Special Issue

# Molecular Mechanisms of HPV-Induced Carcinogenesis

### Message from the Guest Editor

A deeper dive into the viral mechanisms leading to carcinogenesis can have an immediate significant impact on establishing clinical interventions to prevent HPV-induced cancer development after the onset of a persistent HPV infection. One particular area of clinical interest is the differentiation between squamous cell carcinoma and adenocarcinoma; the latter shows an increase in incidence and faster disease progression, while gaps in knowledge are slowly being filled. High-risk papillomaviruses share in their biology the secrets to cancer development. Defining key molecular events occurring within HPV and its host is fundamental in resolving HPV infections leading to high-grade malignancies beyond cervical cancer. Growing our understanding of molecular mechanisms such as i) viral integration, ii) oncoprotein expression, iii) host genomic instability, iv) microbiome, v) or cell cycle changes is key to better comprehending how these viruses play an active role in cancer development. This Special Issue focuses on the biology of papillomaviruses and their oncogenic potential in developing cancer in humans.

### Guest Editor

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## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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