



*Ministero dell'Università
e della Ricerca Scientifica*



*Università degli Studi
di Palermo*

**PhD Programme in
Genomics and Proteomics applied to Oncological and Endocrine-
Metabolic research**

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**BRAF^{V600E} MUTATION, TISSUE INHIBITOR OF
METALLOPROTEINASE-1 UPREGULATION AND NF-κB
ACTIVATION: CLOSING THE LOOP ON THE PAPILLARY
THYROID CANCER TRILOGY**

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