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FOXP3 expression during the development of a murine melanoma

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Recently, Foxp3 expression was thought to be restricted to the T-cell lineage, however, in many types of cancer an increase in the correlation between Foxp3 expression, Treg, and cytokine production during the development of a murine melanoma. We detected the Foxp3 expression in B16F10 cancer cell line by immunofluorescence, flow cytometry, and real time-PCR. The results showed that Foxp3 expression was increased during tumor development in intratumoral B16F10 cancer cells and it was positively correlated with the percentage of infiltraiting regulatory T cells (CD4+CD25+FOXP3+), and TGF- β and IL-10 production was increased, the INF- γ production was decreased evaluated at 7, 14, 21, and 28 days. These results suggest that Foxp3 expression in B16F10 melanoma

Biography

Moisés Armides Franco Molina completed his Doctoral degree at age of 35 from Universidad Autónoma de Nuevo León. He actually is Professor and President of Immunology Academy of the faculty of Biology Science of the Universidad Autónoma de Nuevo León. He has published more than 18 articles in international journals.

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