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Saccharomyces boulardii modulates the bovine herpes virus type 5 vaccine immune responses

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There have been significant efforts toward the development of more efficient vaccines. Several efforts have been made to produce effective vaccines against bovine herpes virus 5 (BoHV-5). We examined the use of the probiotic Saccharomyces boulardii (Sb) as a potential adjuvant to improve vaccine efficiency. We found that the supplemented animals exhibited an enhanced systemic IgG antibody response toward Th1 in favour of IgG2 and increased mRNA expression levels of the cytokines IFN-y, IL-12, IL-17 and IL-10 in the spleen. These results suggest that Sb may provide a promising means for improving the efficiency of vaccines.

Biography

Fábio Pereira Leivas Leite is currently working at Universidade Federal de Pelotas, Brazil.

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