

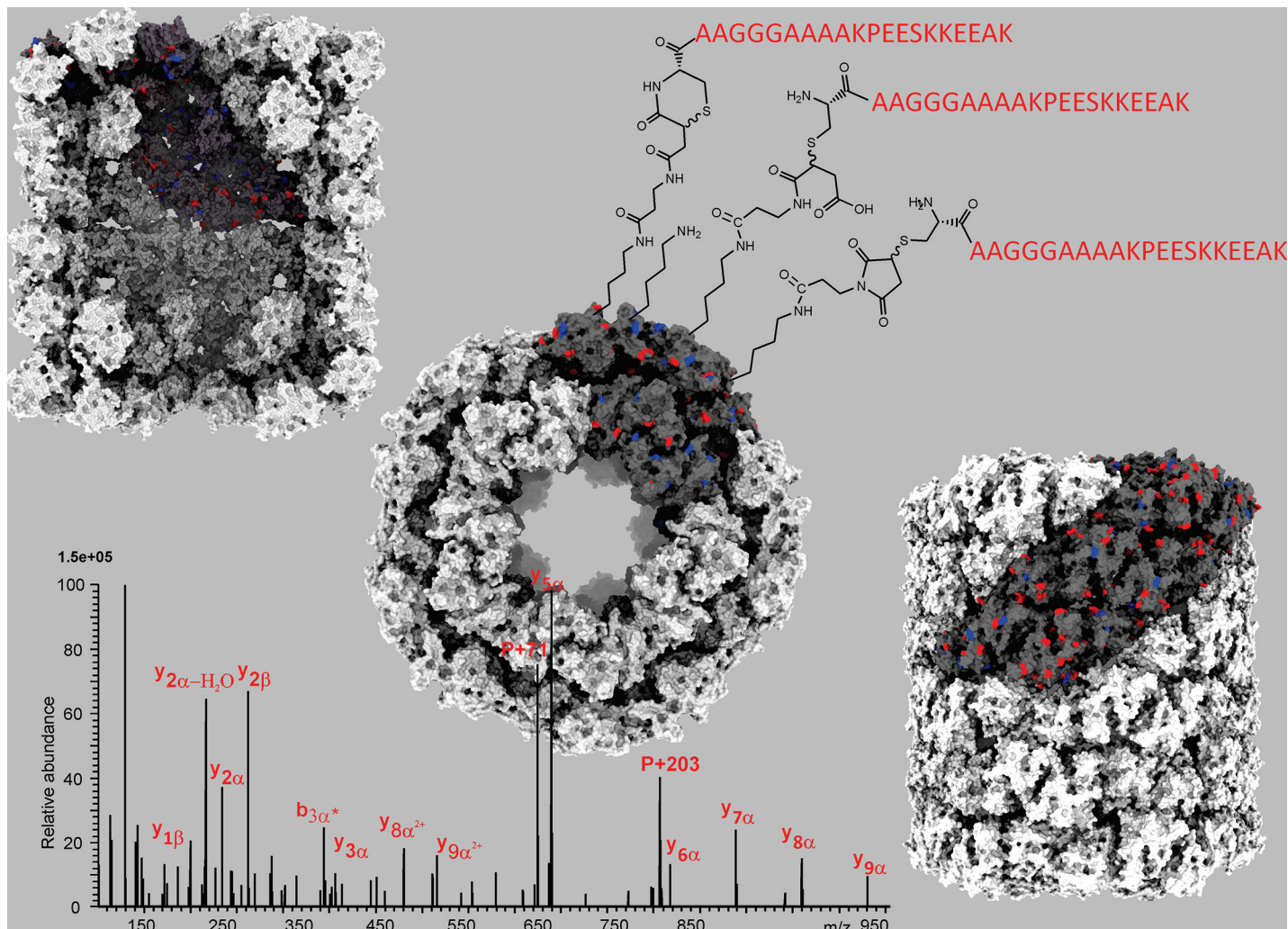
# EES Batteries

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Showcasing research from Professor Luis Javier Gonzalez's laboratory, at the Center for Genetic Engineering and Biotechnology, Havana, Cuba

Characterization by LC-MS/MS analysis of KLH vaccine conjugated with a tick antigen peptide

This is the first report of LC-MS/MS identification of conjugation sites in a conjugate vaccine using keyhole limpet hemocyanins (KLH1 and KLH2) as carrier proteins, taking into account the structural heterogeneity of the linker. In the MDa molecular mass quaternary structures of hemocyanin, we found no bias towards conjugation of lysine residues exposed to either the outer surface or the inner channel. The latter may not contribute to a protective humoral response because B cell entry into the inner channel is incompatible with the diameter of the entrance hole.

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As featured in:



See Luis Javier González *et al.*, *Analyst*, 2025, **150**, 1091.