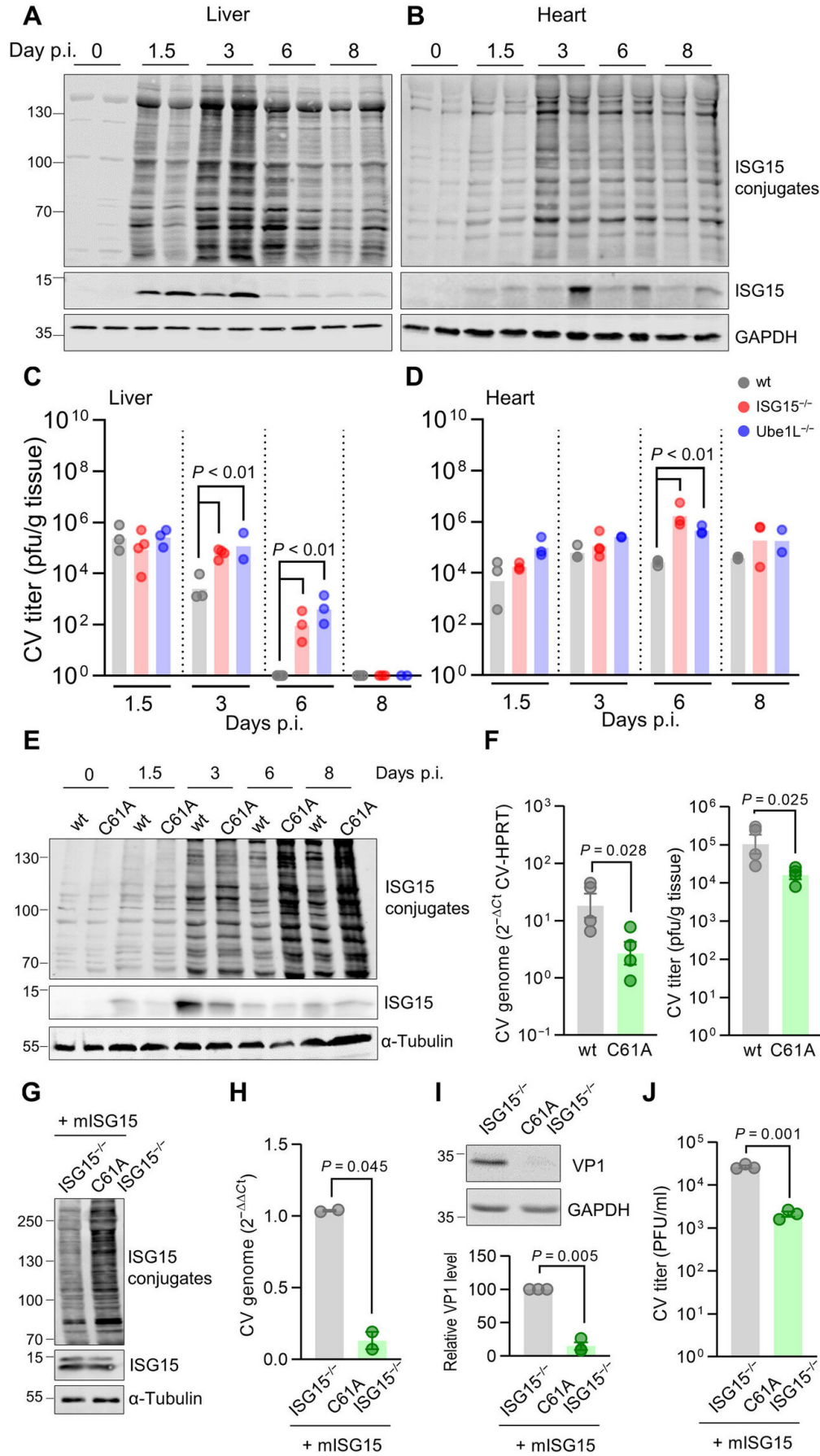


# **Protein modification with ISG15 blocks coxsackievirus pathology via antiviral and metabolic reprogramming**

March 24 2020, by Thamarasee Jeewandara

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ISGylation suppresses CV titers at different phases of infection. Wild-type (wt), ISG15<sup>-/-</sup>, and Ube1L<sup>-/-</sup> mice were infected with  $1 \times 10^5$  pfu of CV Nancy and sacrificed at the indicated points in time post infection (p.i.). Tissue from (A) liver and (B) heart of wild-type mice was subjected to Western blot analysis using an ISG15-specific antibody. Each lane represents tissue homogenates obtained from a different animal. (C and D) Infectious viral particles were quantified in the respective organs obtained from wild-type, ISG15<sup>-/-</sup>, and Ube1L<sup>-/-</sup> mice by plaque assay during CV infection. Each dot represents a different animal; data are summarized as median values. Student's t tests were conducted. P values of

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