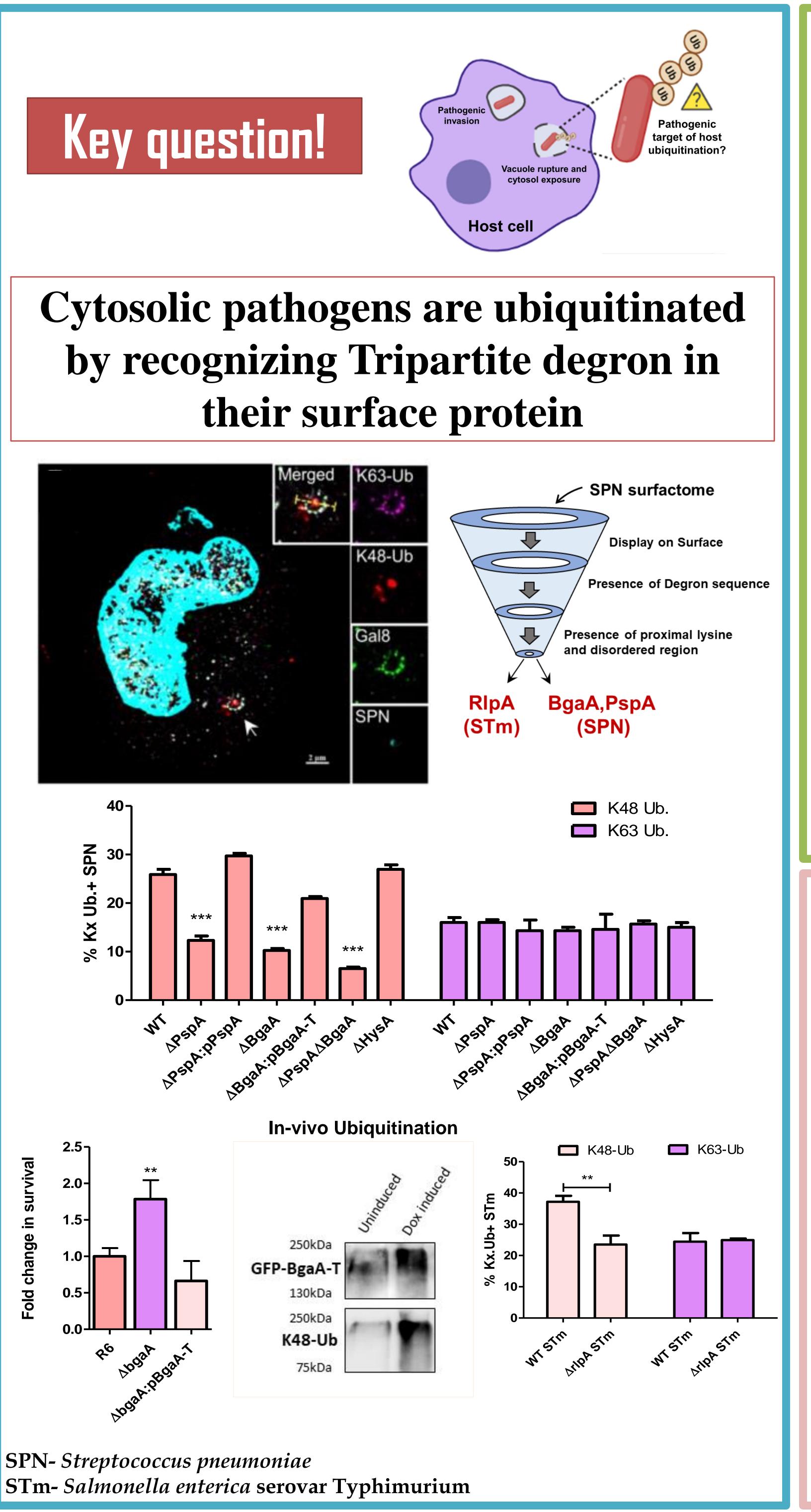
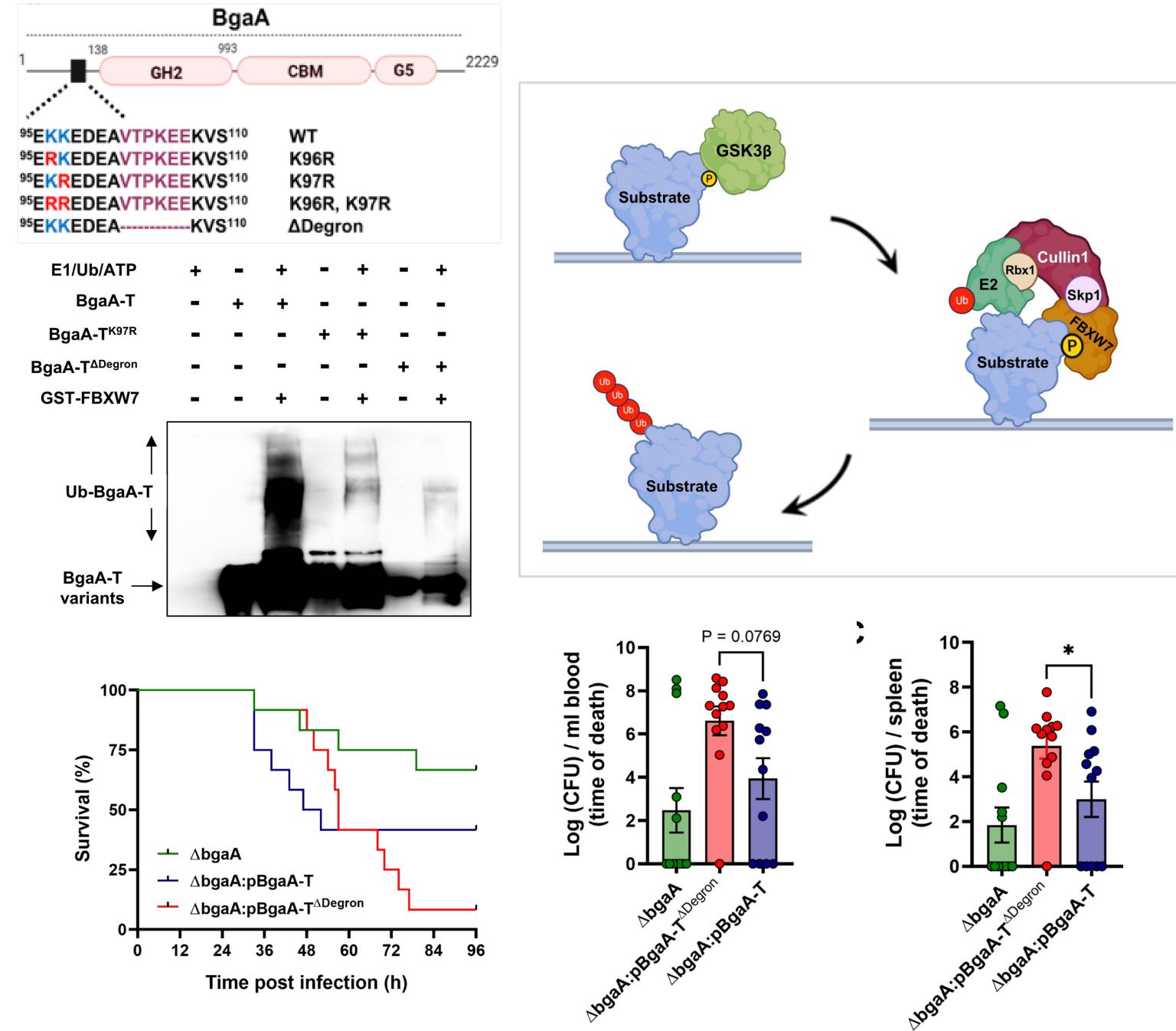
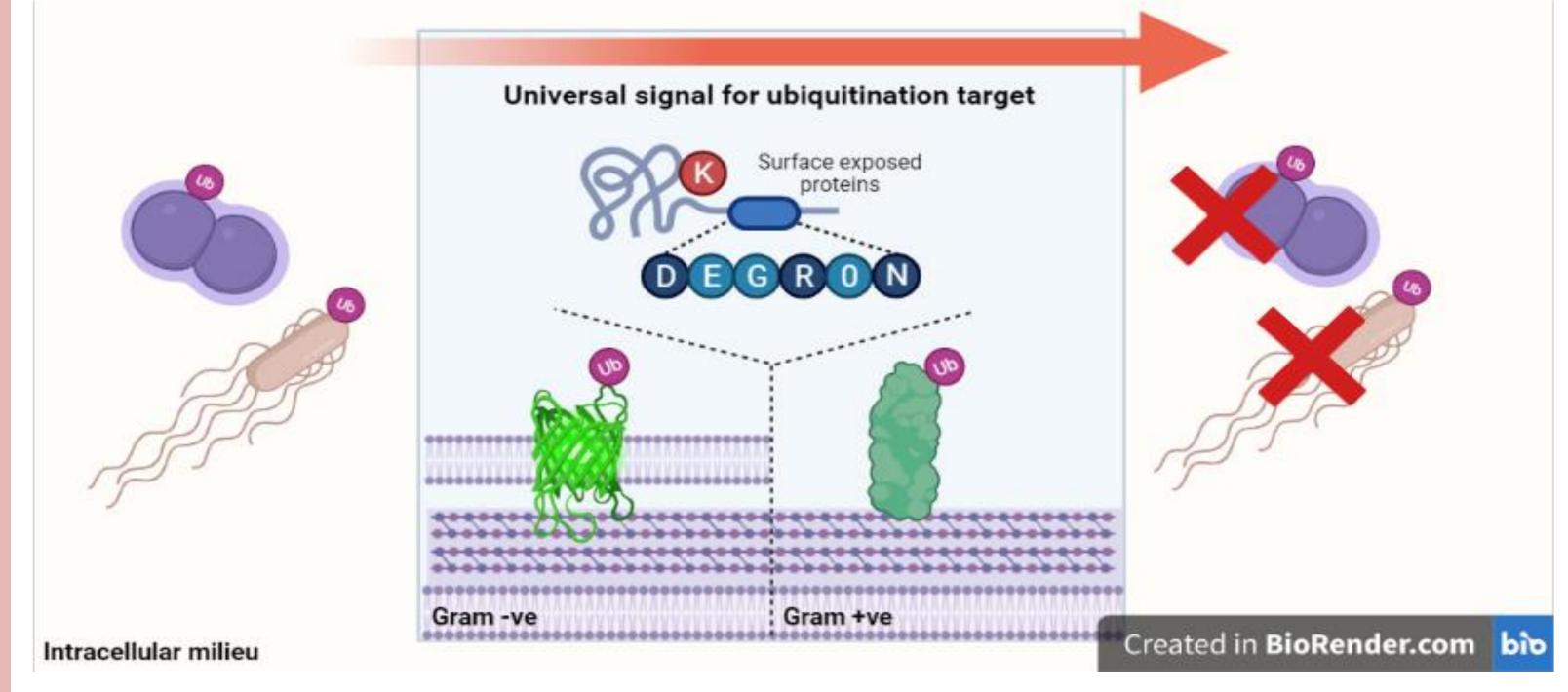
Ubiquitination of bacterial substrates act as novel innate pathogen sensing strategy

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Components of tripartite signal are essential for identification of BgaA by SCF^{FBW7} complex in-vitro and in-vivo





Highlights:

- The surface exposed proteins of pathogen fulfilling the tripartite degron signal acts as a substrate for K48-Ub chaining
- Mutating the components of tripartite degron signal in pathogenic protein abolishes its efficient identification and survival benefit
- Artificial addition of degron signal in a non-substrate protein of pathogen renders it recognizable by host E3 ligase
- SCF^{FBW7} E3 ligase complex supported by GSK3β plays a novel role in sensing and clearing intracellular pathogen

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