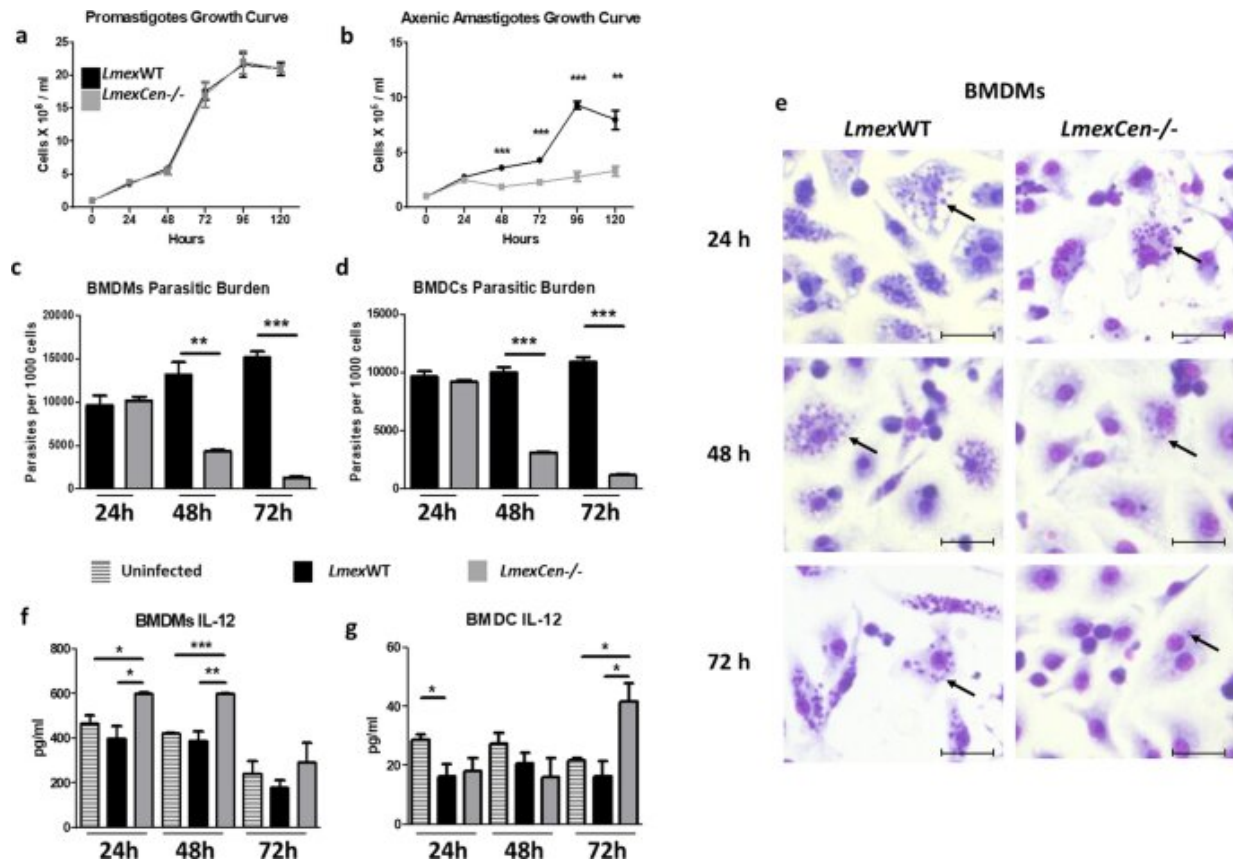


# Findings in mice validate CRISPR technology for leishmaniasis vaccine

March 16 2022, by Emily Caldwell



*LmexCen*<sup>-/-</sup> parasites show diminished survival and virulence in bone-marrow-derived macrophages and dendritic cells. a, b Growth curve of *LmexWT* and *LmexCen*<sup>-/-</sup> promastigotes (a) and axenic amastigotes (b). c, d Parasitic burden in BALB/c-derived BMDMs (c) and BMDCs (d) infected with either *LmexWT* or *LmexCen*<sup>-/-</sup> promastigotes. e Representative Giemsa stain images of BMDMs incubated with either *LmexWT* or *LmexCen*<sup>-/-</sup> promastigotes. Examples of intracellular parasites are indicated by black arrows. Scale bar: 25,000 μm. f, g

IL-12 levels in BALB/c-derived BMDMs (f) and BMDCs (g) uninfected and infected with either LmexWT or LmexCen<sup>-/-</sup> promastigotes and then stimulated with 1 µg/ml LPS. Data show one representative experiment out of three independent experiments and show mean ± SEM, N = 3 for each group at each time point. Unpaired two-tailed Student's t-test was performed to compare statistical significance at each time point. A P-value

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