



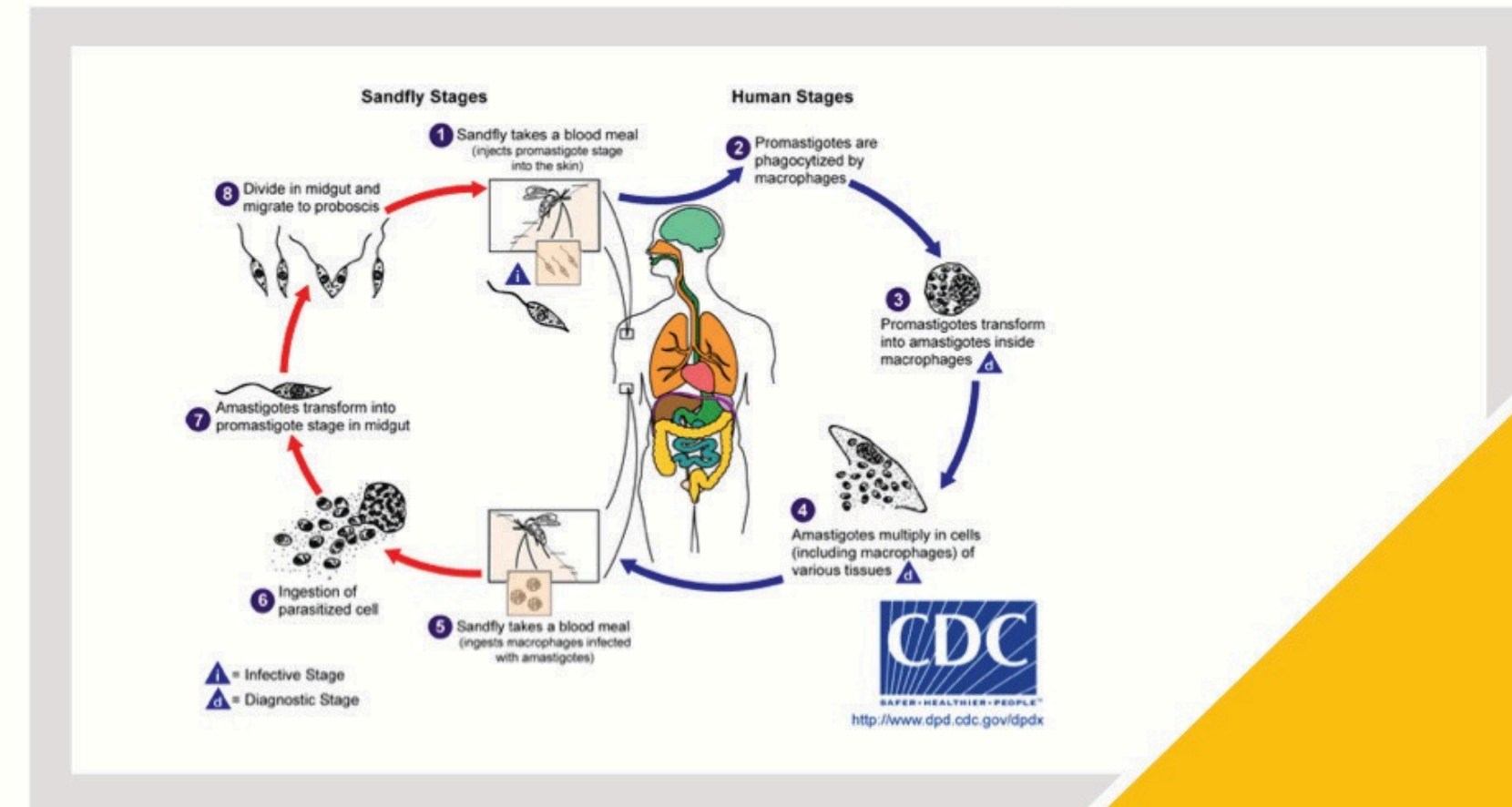
Wisler Charles

Biology Major
Second Year ARCS Scholar
Carnovale Award



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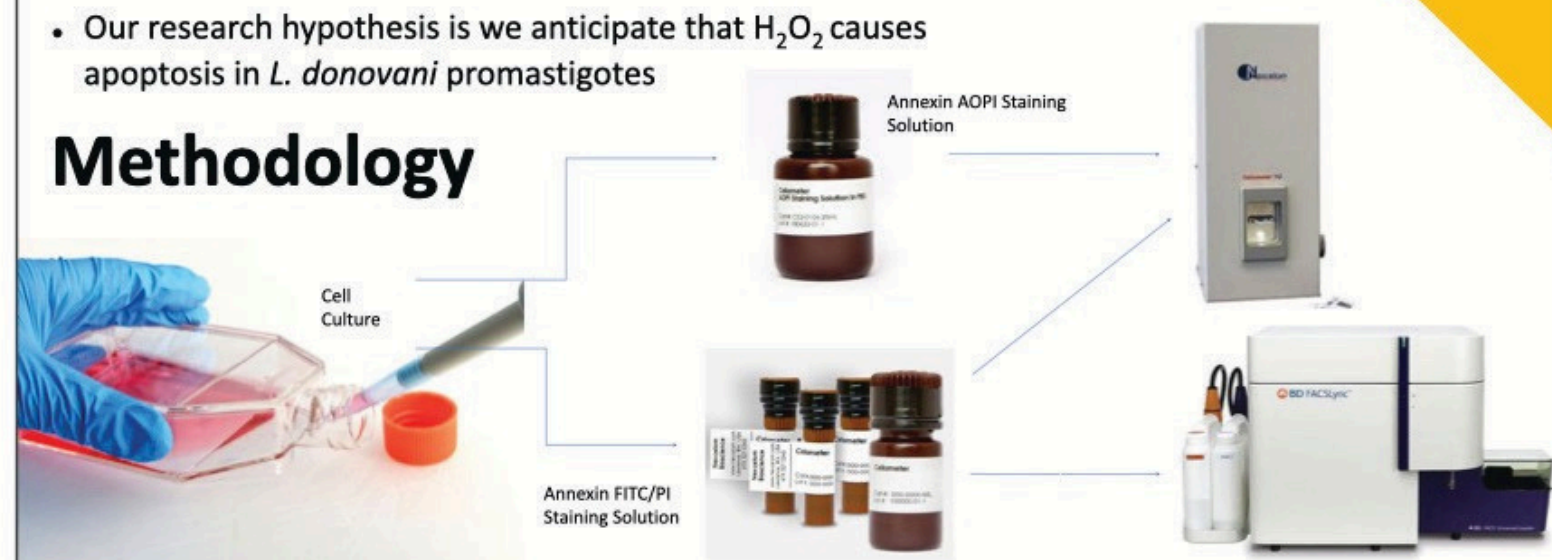
Characterization of H₂O₂-treated *Leishmania donovani* promastigotes



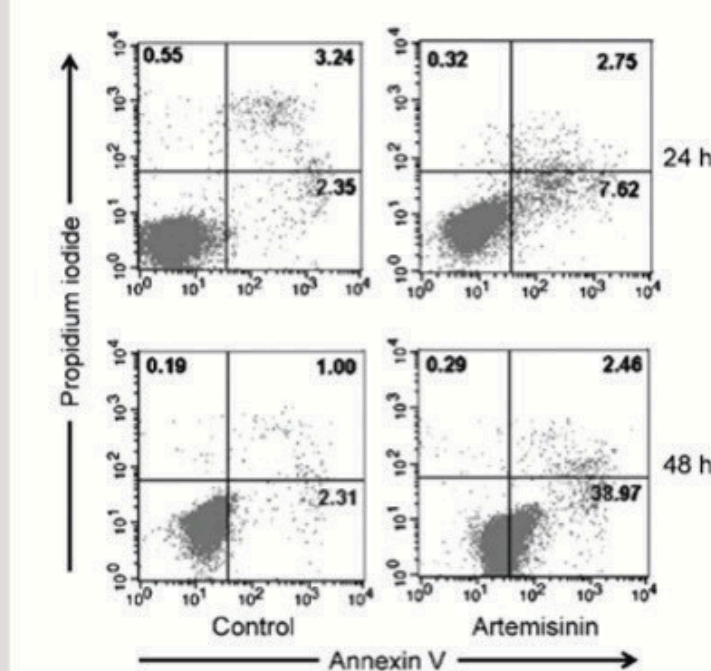
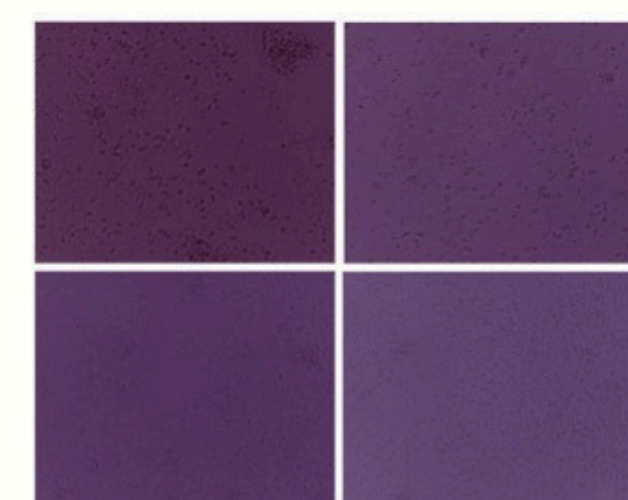
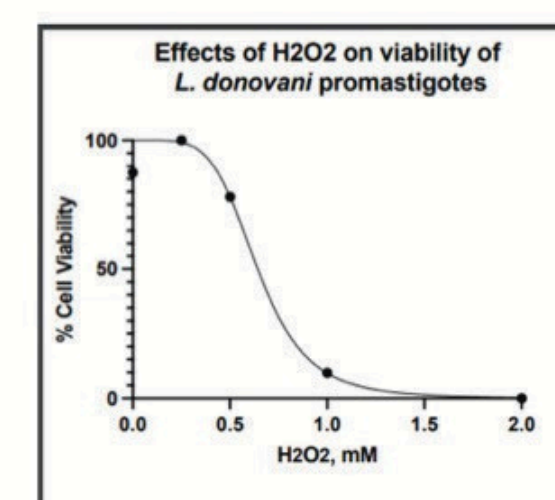
Purpose and Hypothesis

- Purpose of experiment is to characterize the mechanism of promastigote cell death when treated with H₂O₂
- Our research hypothesis is we anticipate that H₂O₂ causes apoptosis in *L. donovani* promastigotes

Methodology



Results 1



•Anticipated results, Figure 3:
Externalization of phosphatidylserine in artemisinin-treated *L. donovani* promastigotes. Figure borrowed from Sen, R., Bandyopadhyay, S., Dutta, A., Mandal, G., Ganguly, S., Saha, P., & Chatterjee, M.



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