



JBI Systematic Review Title Registration Form

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Title: Identifying the factors influencing gametocytogenesis and transmission potential in *Plasmodium knowlesi*: a scoping review

Centre:

- JBI – The University of Adelaide

Primary Reviewer:

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Question:

What are the factors influencing gametocytogenesis and transmission potential in *Plasmodium knowlesi*?

Sub-Questions:

How do those factors affect gametocyte conversion rates, and subsequently transmission efficiency (e.g.: mosquito infectivity rate)

PCC

Population: Parasite - *Plasmodium knowlesi*

Our population will include only *knowlesi* species of *Plasmodium*.

Concept: gametocytogenesis and transmission factors, e.g. microenvironment, genetic manipulation

Our concept is defined as the in-vitro studies that investigate the factors that impact gametocytogenesis and its subsequent role in affecting mosquitos' transmission

Context: Worldwide

Studies conducted in any geographical location or laboratory setting into gametocytogenesis and transmission of *P. knowlesi*, to produce a thorough understanding of transmission efficiency through the associated gametocyte conversion rate.
