

The goal of our study is to investigate what price (in terms of *health*), is paid by the male in groups of bonnet macaques to gain position in the group and be successful in mating. *Health* will be measured by stress levels, number of parasites and physical injuries. The project will combine observations of the males' behavior with their health status. The study will be conducted in one group of free-ranging macaques in Thenmala, southern India. Behavioral observations of the males will be collected for two years. To determine the level of stress and parasites, their feces will be collected and then analyzed. We will then examine whether the health of the males is related to their dominance, support in the group, participation in aggressive interactions, or group stability. We will compare two seasons - when mating is most frequent and during the period when the young macaques are born and there are no copulations. This project can help understand the source of social behavior in groups of multiple males and females.