

## 第3回 MEE SEMINAR

### MATHEMATICAL ECOLOGY & EVOLUTION

2009年7月14日(火) 14:40~16:10

明治大学生田キャンパス第二校舎A館：A207

小田急小田原線 「生田駅」から徒歩10分

又は「向ヶ丘遊園」駅北口から「明治大学正門前」行きバスで10分終点下車

詳しくは、[http://www.meiji.ac.jp/koho/campus\\_guide/](http://www.meiji.ac.jp/koho/campus_guide/) をご覧下さい

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Meiji Univ. Ikuta campus A207

# Intraspecific variation of Japanese macaques; its social relation and group composition

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#### Abstract:

Wild groups of Japanese macaques show a great intraspecific variation in their group composition among different habitats. The species is thus a good model to test the theory of socioecology, which tries to explain primate societies by ecological conditions. Particularly important ecological factor is the group density that directly affects the relation between neighboring groups, which in turn affects the relation within a group.

I at first introduce my fieldwork studies in Yakushima Island and Shimokita Peninsula populations; the group density is significantly different between the two. Then I show how the group density affects group size and male-female ratio in the groups of Japanese macaques by mathematical models, which are tested by empirical data.

**参加自由です。皆様のお越しをお待ちしております。**

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