

第46回

MIMS Mathematical Biology Seminar

(This is a renewal seminar series of former GCOE MEE seminars.)

2014年11月12日(水) 16:00~17:00

明治大学中野キャンパス601

Nov 12, 2014. 16:00~17:00 Meiji Univ. Nakano campus 601

JR中央線快速・総武線、東京メトロ東西線／中野駅 下車 北口より徒歩約8分

詳しくは、http://www.meiji.ac.jp/koho/campus_guide/nakano/campus.htmlをご覧ください。

Evolution of social instincts in within- and between-group conflicts

Sergey Gavrilets (University of Tennessee)

Abstract: I model the effects of within-group inequality on the evolution of social instincts, i.e. genetically-based propensities and biases that affect the behavior of individuals in social interactions. First, I consider competitive within-group interactions. I identify a novel mechanism for the evolutionary emergence of the "egalitarian syndrome" and leveling coalitions in which one helps the weak against the strong bully. Second, I study a collective action problem in between-group conflicts and show how bullies can dialectically become "altruists". The mechanisms I describe do not require genetic relatedness, reciprocity, reputation, or punishment.

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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