



Meiji University Global COE Program

5th Mathematical Sciences based on Modeling, Analysis and Simulation seminar



Date : May 13. 2009, 16:30~17:30

Location : Meiji Univ. Ikuta Campus, Build 2 Annex A, Room A205

Wataru Nakahashi (Meiji Univ.)

Title : Sexual selection by male choice
and human evolution

Abstract : Sexual selection (Darwin, 1871) is as important as natural selection (Darwin, 1859) for sexual species because we must mate with the other sex to produce progeny. Though Darwin (1871) noticed sexual selection by male choice in the human, theoretical and empirical research on sexual selection has mainly addressed decorative male traits and female preferences for such traits. However, not only in the human but also in many other species, there is increasing evidence of male mate choice for female traits. Why do such male mating preferences evolve and how do they affect the evolution of female traits? In this talk, I will explain quantitative genetic models of sexual selection by male choice to answer these questions and discuss how sexual selection by male choice has affected human evolution.

Everyone is welcome to attend the MAS seminar.

Meiji institute for Advanced Study of Mathematical Science (<http://www.mims.meiji.ac.jp>)

(Organizers: M. Mimura, D. Ueyama, Y. Wakano and K. Ikeda)

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Access: 10 minutes on foot from Ikuta St. Odakyu line,
Or 10 minutes by bus No. 13「明治大学正門前」, get off at the last stop.
See http://www.meiji.ac.jp/koho/campus_guide/ for details.