Name: Hisashi Inaba
Research Field: Mathematical Biology
Key words: Structured Population Dynamics, Demography, Epidemiology for Infectious
Diseases, Mathematical Biology

Present research: I have been studying about mathematical models in demography and infectious disease epidemiology. In particular, I am interested in differential and integral equation models for structured population dynamics. More detail of my research will be found in my web site:
http://www.ms.u-tokyo.ac.jp/~inaba/index.html

Notice for the students: The man purpose of my research is to formulate and analyze mathematical models for structured populations. Since not only mathematically analyzing existing models, but also developing new models or appropriate mathematical ideas is important activity, the students should be interested in population problems, or more generally, life sciences and social phenomena. In fact, in order to build up appropriate population models, we often have to read papers and books in other fields different from mathematics. Although necessary mathematics can be learned on all such occasions, our main tools are differential equation, integral equation and functional analysis. I hope that students have already studied about introductory course of differential equations and dynamical system theory.