PROJECT GUIDE FOR DYNAMICS IN MANY DIMENSIONS

After selection as an IGERT Fellow [April, Calendar Year 0]:
- Contacted by Assistant Director of IGERT program
- Assigned a peer mentor

First month of program [August, CY 0]
- IGERT Welcoming Orientation/Retreat (1 day)
- Nonlinear advisor/mentor matched to student at orientation

Overview of IGERT Educational Program [August, CY 0 through July, CY 3]

Acad. Yr	Cross-Disciplinary Coursework	Activities Common to All Fellows		Additional Opportunities
1	Level (0)[a]: course exposing biology students to necessary mathematical skills. Level (1)[b]: required introductory nonlinear science course.	Welcoming Orientation	Workshop[f] IGERT Research Seminars[g]	CNS[h], GW/GM Seminars[i] Summer school in nonlinear science[j] Apply for seed money[k] Apply for international internship[l]
2	Level (2)[b]: advanced elective courses.	Service learning[d]		
3	Level (3)[b,c]: group projects, thesis research	P&E Seminar[e]		

a. Level (0): Mathematical Modeling is geared to bring mathematical and quantitative talents of biologists to routine use in research problems. See also section C.d.ii
b. Levels (1), (2), (3): see section C.d.ii
c. Research advisor selected after development of research topic
d. One semester of: teaching at local HBCUs; high school educational module development; or independent service project
e. Professional & Ethics Seminar: weekly (one semester) seminar run by Asst. Dir.
f. Southeastern Nonlinear Science Workshop
g. Biweekly seminar run by IGERT fellows; each student will present annually
h. Center for Nonlinear Science Seminars: weekly ongoing seminar run by faculty
i. Graduate Women's and Minority Seminars: see section C.g
j. Summer Nonlinear Science School
k. Provide funds directly to student for research needs via competitive grant awards.
l. See section C.i: to promote international exchange.