

NUTRITION 696-034: Global Cardiometabolic Disease (GCMD) Training Grant Seminar

Spring 2017: biweekly
Mondays 1:00-2:00pm
Location TBD
1 Credit

Instructors

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Course Description

This core seminar is tailored to meet the needs of GCMD trainees and provide GCMD-focused core knowledge and skills for all trainees, regardless of their chosen specialization. Spring content will include: (1) GCMD, including the special issues around the unique biology, genetics, epidemiology, intervention and policy strategies relevant for addressing CMD in diverse settings around the world, in greater depth than the required core courses (taught by TG faculty from nutrition and relevant departments); (2) Professional development and responsible conduct of research in global settings (taught by TG mentors with additional input from UNC's graduate school professional development offices). Our global mentors will participate by videoconference on a rotating basis, contributing their unique expertise to each of these topics. The seminar will also serve as a venue for trainees to present their research to peers and faculty, giving them an opportunity to gain expertise in communicating the substance and methods of their research to colleagues across the spectrum of basic to population science, and from local to global research. Seminar sessions are meant to be engaging and include some formal didactic interaction, group discussion, and presentations by students.

Course Objectives

The student will:

1. Understand biology, genetics, epidemiology, intervention and policy strategies relevant for addressing CMD in diverse settings around the world.
2. Develop critical thinking skills related to GCMD research and practice.
3. Learn critical elements related to responsible conduct of research, particularly in relation to global research.
4. Gain from mentored professional development.
5. Develop greater understanding of the importance and challenges of conducting work, studies, and research abroad.
6. Enable students to contribute to increasing infrastructure and research capacities of their counterparts who are living, working, and conducting research in an international setting.

Course Requirements and Grades

Final grades will be based upon the completion of the following assignments and exams:

Task	Value	Date
Reporting on mentored research practicum	40%	Ongoing
Classroom participation	50%	Ongoing
Responsible Conduct of Research Seminars	10%	
Total	100%	

Note: Students who have a documented disability from the UNC Office of Accessibility will be provided alternative testing arrangements. Late projects and papers will not be accepted. Students are required to take final examinations as scheduled. The only exceptions are for illness as documented by being on infirmary list at Campus Health Services or for other medically-documented or family or personal emergency situations. A student must meet with an academic dean to request permission for an examination excuse and documentation will be required.

Honor System

As part of the UNC Honor Code, Carolina students pledge to maintain ideals of academic honesty, personal integrity, and responsible citizenship. These ideals are embodied in the Honor Code set forth in the Instrument, with the support of students, faculty, and staff. When a student applies to Carolina, he undertakes a commitment to the principles embodied in the Honor Code. The University endeavors to instill in each student a love of learning, a commitment to fair and honorable conduct, and respect for the safety and welfare of others. It also strives to protect the community from those who, for whatever reason, do not embody these values in their conduct, and to protect the integrity of the University and its property for the benefit of all.

Online Course Evaluation

UNC uses an online evaluation system to assess the quality of instruction and learning of the courses offered. During the last few weeks of the course, an e-mail will notify you that the system is open with a link to access the form. This evaluation system is anonymous. The instructors will only see the aggregate data with any comments at the end of the course after grades are turned in. It is your responsibility as a student to complete the evaluations. You will be sent multiple e-mails until it is completed.

Course Components

1. Reporting on Mentored Research Practicum

Students will regularly report on their progress with their mentored research practicum with their GCMD mentor. Any papers or abstracts prepared during the fall semester will be presented in seminar. A final progress report will be submitted to the course instructors by the end of the semester and students will present this during the final course.

2. Classroom Participation

We expect students to regularly contribute to class discussions in a positive and valuable manner and to be respectful of peers and guest lecturers. Attendance is expected and engaged participation is a key to the success of the course. Missing more than 2 classes for any reason will begin to impact your grade. Please notify the instructors if you must miss a class.

3. Participation in Responsible Conduct of Research Seminars

While some conduct on responsible conduct of research will be covered within the GCMD seminar, the course instructors will also provide links to opportunities outside of the seminar. Students will be expected to attend these external seminars and report back to the GCMD seminar to discuss issues raised in the external seminars. The course instructors will facilitate discussion and linkages to GCMD issues as they relate to these responsible conduct of research activities.

Details on the two-part internship

The process for selecting the two-part internship is as follows: 1) under the direction of the GCMD trainer, trainees develop an idea for the internship according to desired skills and training, and geographic and substantive interests laid out in the trainees' IDP; 2) trainees and their mentors develop a document that describes the scope and objectives of the internship; 3) this scope document is reviewed by the PDs and Training Committee; 4) trainees contact the global mentor and submit the scope document for approval; 5) trainees, assisted by travel experts from the Gillings Global Gateway will arrange travel to the internship location; 6) after the completion of the Part 1 internship, trainees discuss their experience in our biweekly GCMD seminar, and include details of their internship in their progress reports and begin to plan for the more intensive Part 2 internship to occur after the completion of coursework (which involves step 1-6 above). Ideally, the two part internship will occur in the same setting although in rare circumstances a trainee may complete the Part 2 internship in a different setting to take advantage of critical, emerging issues or active phases of research projects in a different location. We have identified and obtained letters of collaboration for 11 possible GCMD internships with global mentors that take advantage of the ongoing research projects and collaborations of our training faculty, many of which represent 20-30 years of collaboration, as summarized below:

GCMD Global Mentors and Trainee Internship Locations		
<i>Institution & collaborator</i>	<i>Location</i>	<i>Potential Project Areas</i>
Dr. Linong Ji, Peking University	Beijing, China	Diabetes
Dr. Bing Zhang, Chinese Centers for Disease Control and Prevention	Beijing, China	Nutrition, obesity, hypertension, diabetes
Dr. Srinath Reddy, Public Health Foundation of India	Delhi, India	Diabetes, cardiovascular disease, nutrition
Dr. Eric Finkelstein, Duke-National University of Singapore Graduate Medical School	Singapore	Obesity, economics
Dr. Judith Borja Office of Population Studies Foundation, Inc. (OPS) of the University of San Carlos	Cebu, Philippines	Early origins of adult disease, role of CM disease in aging and functional status
Dr. Juan Rivera, National Public Health Institute of Mexico;	Cuernavaca, Mexico	Nutrition, obesity, policy
Dr. Luz Maria Del Razo, Center for Research and Advanced Studies of the National Polytechnic Institute	Mexico City, Mexico	Environmental diabetogens and obesogens
Dr. Carlos Monteiro, University of Sao Paulo	Sao Paulo, Brazil	Nutrition, diabetes, obesity
Dr. Shane Norris, University of Witwatersrand	Johannesburg, South Africa	Early origins of adult disease, cohort studies of hypertension (birth to adult)
Dr. Peggy Bentley, UNC Center for Galapagos Studies	Galapagos, Ecuador	Nutrition, diabetes, obesity
Dr. Veronica Cornejo, Instituto de Nutricion y Tecnologica de los Alimentos and University of Chile	Santiago, Chile	Nutrition and chronic diseases

As the work and professional networks of our training faculty expands, we will add new opportunities, which will be reviewed and evaluated by the training committee. Trainees may also propose an idea for an internship that is not on the list, which can be approved by PDs and Training Committee.

Schedule of Class Sessions: Every other Monday from 1-2p

Date	Lead Instructor	TOPIC
1/23	Lindsey & Penny	Developing a budget and acquiring funding Assignment: bring list of potential funding options for summer or dissertation research to class
2/6	Linda	Guest lecturer: Emily Bobrow on cultural sensitivity in the research setting
2/20	Linda	Variability in global cardio-metabolic disease across countries: biology and culture- Part 1 - Disease patterning
3/6	Penny	Student panel on global research experiences
3/20	Linda	Variability in global cardio-metabolic disease across countries: biology and culture- Part 2
4/3	Lindsey	Professional development: describing your research goals and interests: the elevator pitch
4/17	Linda, Lindsey, Penny	Student presentations