

## **BOOT CAMP PRELIMINARY SYLLABUS**

### **9-9:15 Ice Breaker**

### **9:15-10:30 The Culture of Research Environments**

1. NIH overview
2. Types of research environments
3. Settling into your research group
4. Rules and regulations
5. Research culture
6. Getting the most out of your summer

### **10:30-10:45 coffee break**

### **10:45-12:15 Asking Scientific Questions**

1. The scientific method
2. What makes a good research question?
3. Finding background information
4. Planning your experiments
5. Doing your experiments
6. Interpreting and analyzing data
7. Scientific integrity
8. Special consideration for epidemiologists
9. Special considerations for clinical scientists

### **12:15-1:30 Lunch break**

### **1:30-3:30 Science Communication**

1. Science communication overview
2. Keeping a lab notebook
3. Giving group meeting
4. Reading scientific papers

### **3:30-3:45 Resources Available to NIH Summer Students**