



The Center on Social Disparities and Health

AT THE INSTITUTE FOR POLICY RESEARCH, NORTHWESTERN UNIVERSITY

C2S Summer Biomarker Institute June 9-11, 2008

Day 1 Annenberg Hall - Room 345

Morning session

8:30 Continental breakfast

8:45 **Welcome and participant introductions**

Lindsay Chase-Lansdale, Director, C2S, Northwestern University

9:15 **What is biology and why measure it? A theoretical introduction to biology and its role in the social sciences**

Chris Kuzawa, Northwestern University

10:30 Break

10:45 **Case studies: Biology in context**

Thom McDade, Emma Adam, & Chris Kuzawa, Northwestern University

12:15 Lunch

Afternoon Session

1:30 **Theory to practice: Guiding principles for integrating biological measures into survey research**

Chris Kuzawa, Northwestern University

2:15 **Salivary biomarkers: Common measures, collection methods and challenges, and analysis techniques**

Emma Adam, Northwestern University

3:00 Break

3:15 **Salivary biomarkers, continued**

4:30 Adjourn

Pick-up

6:30 Dinner @ Campagnola, 815 Chicago Ave., Evanston (847) 475-6100

*** Transportation arranged ***



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Day 2 Annenberg Hall - Room 345

Morning session

8:30 Continental Breakfast

9:00 **Dried blood spots as a minimally-invasive alternative to venipuncture: Advantages/disadvantages, analytic options, and procedures for sample collection**

Thom McDade, Northwestern University

11:00 Break

11:15 **Discussion: Biology and social inquiry**

Jeremy Freese, Northwestern University

12:15 Lunch

Afternoon session

1:45 **Methods breakout sessions:**

1. Anthropometry
2. Blood pressure
3. Actigraphy

Chris Kuzawa, Northwestern University

3:00 Break

3:15 **Methods development and application: Lessons from the National Social Life, Health, and Aging Project**

Stacy Lindau, University of Chicago

4:00 Adjourn



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Day 3 Anthropology Department, 1810 Hinman Avenue, main conference room and
Laboratory for Human Biology Research

Morning session

8:30 Continental breakfast

9:00 **DNA: Everything you wanted to know but were afraid to ask**
Geoff Hayes, Northwestern University

10:00 Break

10:15 **Laboratory measurement, I: Introduction to the immunoassay**

11:00 **Laboratory measurement, II: Assay evaluation and quality control**
Thom McDade, Northwestern University

11:45 Lunch

12:30 **Breakout sessions and lunch:**

- 1. Lab tour**
- 2. Sample shipping and storage**

1:30 Presentation of lab results and wrap up

2:00 Adjourn