

Applying Principles from Complex Systems to Studying the Efficacy of CAM Therapies

Georgetown University Conference Center, Washington, DC

WORKSHOP SCHEDULE

MONDAY, OCTOBER 8, 2007

- 8:00-6:00 pm **REGISTRATION DESK OPEN** **East Hallway**
- 8:00-8:30 am **CONTINENTAL BREAKFAST BUFFET** **East Hallway**
- 8:30-8:45 am **Welcome and Overview of the Workshop** **Salon E**
Aviad Haramati, PhD Georgetown University School of Medicine
- 8:45-10:00 am **SESSION 1: Introduction of Concepts**
Moderators: Jacob Shoham, MD, PhD and Brian Berman, MD
- Introduction to Complexity Science and Systems**
Ary Goldberger, MD, Beth Israel-Deaconess and Harvard Medical School
- Complex Systems and CAM – Why and How they are Related**
Jacob Shoham, MD, PhD, Bar-Ilan University, Israel
- 10:00-10:30 am **COFFEE BREAK** **East Hallway**
- 10:30 –12:30 pm **SESSION 2: Approaches to Studying Complex Systems: The Tools** **Salon E**
Moderators: Ary Goldberger, MD, and Mikel Aickin, PhD
- Symbolic Dynamics: Alternative Ways to Classify Information**
Chung-Kang Peng, PhD, Harvard Medical School
- How to Measure Complexity: Applications to CAM research**
Madalena Damasio Costa, PhD, Harvard Medical School
- Models, Simulations and Experiments in Complex Systems: Control of Breathing**
David Paydarfar, MD, University of Massachusetts Medical School
- Dynamic System Attractors as a Metaphor for CAM Research**
Mikel Aickin, PhD, University of Arizona
- 12:30-1:45 pm **LUNCH** **Faculty Club**

1:45-3:45 pm **SESSION 3: Practical Approaches to Studying Complex Systems:
Research Design** **Salon E**
Moderators: Laura Lee Johnson, PhD, and Catherine Stoney, PhD

Balance and Design using Propensity Scores for Public Health Research
Tom Love, PhD, Case Western Reserve University

**Qualitative Research in Building and Refining CAM Interventions:
Lessons from the Development of a Guided Imagery Program for Obese Teens**
Marc Weigensberg MD University of Southern California

Experimental Designs for Building and Refining CAM interventions
Bibhas Chakraborty, PhD candidate, University of Michigan

3:45-4:15 pm **AFTERNOON BREAK** **East Hallway**

4:15-6:00 pm **SESSION 4: Practical Considerations and Challenges
to Studying Complexity of CAM Interventions** **Salon E**
Moderators: Jack Killen, MD, and Richard Nahin, PhD

The Context of CAM Practice
Ted Kaptchuk, O.M.D., L.Ac, Harvard Medical School

The Impact of Patient-Practitioner Interactions on Outcomes
John Tilburt, MD, Center for Bioethics, NIH

The Impact of Multimodal, Individualized Interventions
Iris Bell, MD, PhD University of Arizona

DINNER ON YOUR OWN

TUESDAY, OCTOBER 9, 2007

8:00 -6:00 pm	REGISTRATION DESK OPEN	East Hallway
8:00-8:30 am	CONTINENTAL BREAKFAST BUFFET	East Hallway
8:30-9:00 am	SESSION 5: Keynote Presentation <i>Moderator: Margaret Chesney, PhD</i>	Salon E
	Embracing Chaos and Complexity: A Quantum Change for Public Health <i>Ken Resnicow, PhD, University of Michigan</i>	
9:00-9:30 am	Group Discussion	
9:30-9:45 am	Orientation to Session 6: Breakout Sessions: <i>Aviad Haramati, PhD</i> Description and instructions	Salon E
9:45-10:45 pm	SESSION 6: Using Case Studies to Design Clinical Research Part 1: World Café Format	Breakouts (Salon E and CR 3, 5, 6)
10:45-11:00 am	COFFEE BREAK	East Hallway
11:00-12:00 pm	Part 2: Group Case Discussion in each breakout	Breakouts (Salon E and CR 3, 5, 6)
12:00-1:00 pm	LUNCH	Faculty Club
1:00-2:30 pm	Continue Session 6: Working on Case Studies	Salon E and CR 3, 5, 6)
2:30-3:00 pm	AFTERNOON BREAK	East Hallway
3:00-5:30 pm	SESSION 7: Reports from Breakouts regarding Case Studies <i>Moderators to be selected for this session</i>	Salon E
	Format of the Case Presentations	
	Each of the 5 cases will be presented in turn by an individual from the group that discussed it.	
	Comment: The lead author of each case will be asked to comment on the analysis	
	Designated Synthesizers: <i>Andrew Ahn, MD, Carlo Calabrese, ND, Susan Folkman, PhD, Richard Nahin, PhD and Aviad Haramati, PhD</i>	
	This group will be asked to listen carefully to the case presentations and work together to identify principles or patterns of consensus in the approaches proposed. They will prepare a summary presentation for the next morning's session.	
6:30-8:00 pm	DINNER AT CONFERENCE CENTER	Faculty Club

WEDNESDAY, OCTOBER 10, 2007

8:00-11:00 am	REGISTRATION DESK OPEN	East Hallway
8:00-8:30 am	CONTINENTAL BREAKFAST BUFFET	East Hallway
8:30-11:30 am	SESSION 8: Synthesis Report and Discussion <i>Select Moderator from the Synthesizer Group:</i>	Salon E
8:30-9:15 am	Summary Presentation <i>Designated Synthesizers</i>	
9:15-10:00	Group Discussion	
10:00-11:15 am	Open Forum: Discussion of the following two questions: <i>Moderator: Mikel Aickin</i> 1. What should be the Role of Complexity Science in CAM Research? Based on the presentations and case-study working groups, to what extent does complexity science have a future in CAM research? Which paths seem promising; which seem problematic? 2. Realizing the Future of Complexity Science in CAM Research. How can we pursue the promising paths? How can expertise be packaged and disseminated? Where are the gaps; how can they be filled? What are the next steps, and what role can this group play in taking them?	
11:15-11:30 am	WORKSHOP CLOSURE AND ADJOURNMENT	