CPDD WORKSHOP PROPOSAL
Due in CPDD Office by October 15th

TITLE: Getting SMART about Developing Individualized Sequences of Health Interventions

CHAIR: Susan A. Murphy, PhD *
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Co-CHAIR: Daniel Almirall, PhD
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* The Chair of this proposed workshop, Dr. Susan Murphy, is a member of CPDD.
** Please notify Rhonda Moats (rmoats@umich.edu or 734-615-4606) prior to sending a Fax to the Fax number above so that somebody will know to receive the fax on our end.

SUMMARY (<250 words) to include significance and specific aims of the session. (If accepted, a modified version, subject to approval by the authors, will be used for publication in the Program Book. All presenters must issue a Conflict of Interest statement – See guidelines on CPDD Web site.)

The effective management of a wide variety of substance use disorders often requires individualized, sequential decision making, whereby treatment is dynamically adapted over time based on an individual’s changing course. Adaptive health interventions operationalize individualized, sequential, decision making via a sequence of decision rules that specify whether, how, for whom, and when to alter the intensity, type, or delivery of psychosocial, behavioral, and/or pharmacological treatments at critical decision points in the management of chronic disorders. Adaptive health interventions can be used to develop or supplement clinical treatment guidelines. The aim of this workshop is to describe and discuss the use of a novel experimental design—sequential multiple assignment randomized trials, or SMART—intended specifically for the purpose of developing and optimizing adaptive health interventions.

Specifically, the workshop will involve three presentations: The first presentation will define adaptive health interventions, discuss why they are important, and will introduce SMART designs, including a description of basic SMART design principles and the types of primary and secondary scientific questions that can be addressed in a SMART. The second and third presentations will discuss experiences and issues related to the motivation for, planning, conduct, and/or data analysis of two SMART studies currently in the field.

Ample time will be set aside for questions, comments, and in-depth discussion. Participants will be encouraged to share experiences and ideas from their own research as a way to connect with the material. Participants attending this seminar should be familiar with the basic principles of experimental design.

Key Words (5): adaptive health interventions, sequential decision making, individualized medicine, clinical trial, chronic disorders
SPEAKERS (confirmed):

1. Name: Daniel Almirall
   CPDD Member? Yes / XNo
   Affiliation: Institute for Social Research, University of Michigan
   Complete Address & Zip: please see co-chair section above
   Phone & E-mail: please see co-chair section above
   Title of Talk: Developing Dynamic, Sequential Treatments that Optimize Substance Use Outcomes: SMART Experimental Design Principles

2. Name: Hendree Jones
   CPDD Member? XYes / No
   Affiliation: Substance Abuse Treatment Evaluations and Interventions Program, RTI International
   Complete Address & Zip: RTI International, 3040 Cornwallis Road, Research Triangle Park, NC 27709
   Phone & E-mail: hjones18@jhmi.edu & 410 917 9084
   Title of Talk: Using SMART Design Technology to Develop An Adaptive Reinforcement-Based Treatment Strategy for Pregnant Drug Abusers

3. Name: David W. Oslin and Kevin G. Lynch
   CPDD Member? Yes / XNo
   Affiliations:
   Philadelphia Veterans Affairs Medical Center and the University of Pennsylvania Medical Center (Oslin), and Psychiatry Department, University of Pennsylvania Medical Center (Lynch)
   Complete Address & Zip: 3440 Market Street, Suite 370, Philadelphia, PA 19104
   Phone & E-mail: Oslin@upenn.edu & 215 823 5894 (Oslin), and
   lynch_k@mail.trc.upenn.edu & 215 746 7707 (Lynch)
   Title of Talk: Adaptive Approach to Naltrexone Treatment for Alcoholism
Questions for the Chair (please answer all questions):

1. Have you proposed this same workshop to CPDD before? Yes / **No**
   
   If so, list year(s): **not applicable**

2. Have you chaired a workshop or symposium at CPDD in the past 3 years? Yes / **No**
   
   If so, list year(s) and title(s): **not applicable**

3. Are there any special scheduling issues (e.g., foreign speaker can come to CPDD for only a limited time)? Yes / **No**
   
   If yes, briefly state issue(s): **not applicable**

4. Do you require AV equipment?  **Yes** / No
   
   If yes, describe needs: We need a device that can project slides onto a large screen and can connect to a laptop.

Instructions to the Chair

PLEASE NOTE: Workshops are usually scheduled for evening slots (8:00 p.m. – 10:00 p.m.) AV equipment will be provided but you must have your own technician. **THERE IS NO FUNDING AVAILABLE FOR WORKSHOP SPEAKERS.**

Mail, e-Mail or Fax completed application to Rochelle R. Davis, CPDD, Center for Substance Abuse Research, Temple University School of Medicine, 3400 N. Broad Street, Philadelphia, PA 19140. Fax (215) 707-1904; e-mail: rdavis04@temple.edu

A confirmation that our office has received your workshop will be faxed to the Chair of the workshop. If you do not receive a confirmation, please contact our office immediately at 215-707-3242.

**Fax number to receive confirmation = 734 763 1428 (IMPORTANT: Please call or email Rhonda Moats (rmoats@umich.edu or 734 615 4606) prior to sending the Fax so that somebody may receive the fax on our end.)**

When you are notified that your proposal has been accepted for inclusion in the program, you must relay the information to the co-chair and speakers, re-confirm their participation, and transmit this information in a timely fashion to Rochelle Davis in our office. You should remind all participants that they must register for the meeting and reserve rooms at the hotel. Registration can be done online or on forms available at CPDD.org.