The American Psychosomatic Society is pleased to announce a one-day meeting on biobehavioral oncology:

**Toward Precision Cancer Care: Biobehavioral Contributions to the Exposome***

*The exposome concept expands our view of the environment to include all non-genetic factors experienced by individuals throughout life. Because it encompasses all non-genetic factors, from both exogenous and endogenous sources, the exposome offers a new lens to further our understanding of human health and disease and should be a complement to the genome in studies of disease etiology.*

October 26, 2012
Renaissance Hotel ~ Chicago, Illinois ~ details: [www.psychosomatic.org](http://www.psychosomatic.org)

**Attention oncology researchers and clinicians:**
Join some of the foremost leaders in the field as they discuss their research at this all-day interactive forum, and be part of the evolution of clinically relevant and precise cancer interventions. While researchers and clinicians with varying degrees of experience will benefit from this forum, the intention of this program is to stimulate information sharing at an advanced level. CE and CME credit will be offered.

**This program featured exemplary science that:**
* captures the influence of individual/intrapersonal, neighborhood and societal factors,
* explores the embedding of those factors via biological and molecular pathways across the lifecourse, and
* examines that embedding in the context of cancer risk, treatment, and outcome.

Although much of the science supported through the society focuses on psychological, behavioral, and social factors as "stressors" and the impact of such exposures on health outcomes, we used the concept of an "exposome" as a new lens with which we hope to further our understanding of cancer and the development of clinically relevant and precise interventions.

**Topics and speakers include:**

**I. Models for studying biobehavioral contributions to cancer risk and progression**
Moderators and Discussants: Paige McDonald, PhD, Chief, Basic Biobehavioral and Psychological Sciences Branch and Chair, NCI Network on Biobehavioral Pathways in Cancer, National Cancer Institute, Bethesda, MD and Karen Weihs, MD, Department of Psychiatry and Family Medicine, University of Arizona Cancer Center, Tucson, AZ
Speakers:
The Exposome: Using a “top-down” model to study endogenous and exogenous environmental exposures affecting cancer risk and progression across the lifespan
Stephen Rappaport, PhD, School of Public Health, University of California-Berkeley, Berkeley, CA
Martha McClintock, PhD, University of Chicago, Institute for Mind and Biology, Chicago, IL
II. Embedding intra-individual experience via biological and molecular pathways
Moderator: Erin Costanzo, PhD, Department of Psychiatry and Carbone Comprehensive Cancer Center, University of Wisconsin-Madison, Madison, WI
Speakers:
Erica Sloan, PhD, Cousins Center for Psychoneuroimmunology, Semel Institute for Neuroscience, UCLA, Los Angeles, CA
Michael Antoni, PhD, Department of Psychology & Biobehavioral Oncology Program, Sylvester Comprehensive Cancer Center, University of Miami, Coral Gables, FL
Steve Cole, PhD, Cousins Center for Psychoneuroimmunology, and Division of Hematology and Oncology, Geffen School of Medicine, UCLA, Los Angeles, CA
Discussant: Steve Cole, PhD, Cousins Center for Psychoneuroimmunology, and Division of Hematology and Oncology, Geffen School of Medicine, UCLA, Los Angeles, CA

III. Embedding individual behavior differences via biological and molecular pathways
Moderator: Janine Giese-Davis, PhD, Tom Baker Cancer Centre, Division of Psychosocial Oncology, University of Calgary, Alberta, Canada
Speakers:
Christine Friedenreich, PhD, Alberta Cancer Board and Community Health Sciences, Calgary, Alberta, Canada
Jennifer Ligibel, MD, Dana-Farber Cancer Institute, Boston, MA
Discussant: Suzanne Conzen, MD, The Ben May Department of Cancer Research, University of Chicago Cancer Center, Chicago, IL

IV. Embedding social processes via biological and molecular pathways
Moderator: Michael R. Irwin, MD, Cousins Center for Psychoneuroimmunology, Semel Institute for Neuroscience, UCLA, Los Angeles, CA
Speakers:
Susan Lutgendorf, PhD, Department of Psychology and Holden Comprehensive Cancer Center, University of Iowa, Iowa City, IA
Robert Hiatt, MD, PhD, Department of Epidemiology and Biostatistics, UCSF, San Francisco, CA
Discussant: Martha McClintock, PhD, University of Chicago, Institute for Mind and Biology, Chicago, IL

V. Closing keynote and reception dialogue with the audience
Suzanne Conzen, MD, The Ben May Department of Cancer Research, University of Chicago Cancer Center, Chicago, IL

Registration:
Registration fees (including breakfast, lunch, breaks and an evening reception) begin at $200 ($100 for qualified students). To register and for more details, visit www.psychosomatic.org

Meeting Objectives:
1. The learner will improve his/her ability to make personalized risk assessments that will inform targeted recommendations for biologic and behavioral interventions aimed at minimizing cancer onset and progression.
2. The learner will understand how to frame a scientific question about level of risk for cancer onset and progression, using models from ethology and from epidemiology, and applying knowledge of cancer systems biology, psychophysiology and health behavior intervention science.