About BBPSB

Mission

The Basic Biobehavioral and Psychological Sciences Branch supports research fundamental to understanding human behaviors, social context, decision making, and clinical practices associated with cancer etiology, prevention, detection, diagnosis, treatment, and survivorship. We cultivate a portfolio of basic experimental studies involving humans or animals, observational studies, and mechanistic clinical trials.

Values and Principles

Lived experience and social identity shape how knowledge is generated, interpreted, and translated for public health good, thus BBPSB:

• Strives to ensure that fundamental knowledge arising from our portfolio has the potential to reduce the burden of cancer.
• Prioritizes studies that engage individuals and segments of the U.S. population that have been typically underrepresented, underserved, and excluded from biomedical, clinical, behavioral, and social sciences research.
• Acts on our scientific and ethical imperative to nurture and sustain a diverse pool of talented researchers engaged in biobehavioral and psychological science research that informs cancer prevention and control.

Highlighted Research Domains and Funding Opportunities

**Multimorbidity**

Identifying Innovative Mechanisms or Interventions that Target Multimorbidity and Its Consequences

PAR-20-180 (R01 Clinical Trial Optional)

Advancing Research to Develop Improved Measures and Methods for Understanding Multimorbidity

PAR-20-179 (R01 Clinical Trial Optional)

**Cancer and Aging**

Understanding the Effects of Cancer and Cancer Treatment on Aging Trajectories and Aging Outcomes

NOT-CA-20-031

**Affective Science**

Fundamental Mechanisms of Affective and Decisional Processes in Cancer Control

PAR-20-034 (R01 Clinical Trial Optional)

**Integrative Scientific Processes**

Mid-Career Enhancement Awards to Integrate Basic Behavioral, Biomedical, and/or Social Scientific Processes

PAR-20-226 (K18 Basic Experimental Studies with Humans Required)

PAR-20-211 (K18 No Independent Clinical Trials)

**Perception and Cognition**

Perception and Cognition Research to Inform Cancer Image Interpretation

PAR-19-387 (R01 Clinical Trial Optional)

PAR-19-389 (R21 Clinical Trial Optional)

**Treatment Adherence**

Oral Anticancer Agents: Utilization, Adherence, and Health Care Delivery

NOT-CA-20-026

Improving Patient Adherence to Treatment and Prevention Regimens to Promote Health

NOT-OD-21-100

**Neural Regulation**

Neural Regulation of Cancer

PAR-19-353 (R01 Clinical Trial Not Allowed)

PAR-19-354 (R21 Clinical Trial Not Allowed)

**Cancer-Related Cognitive Impairment**

Leveraging Cognitive Neuroscience to Improve Assessment of Cancer Treatment-Related Cognitive Impairment

PAR-19-340 (R01 Clinical Trial Optional)

PAR-19-339 (R21 Clinical Trial Optional)

**Modular R01s**

Modular R01s in Cancer Control and Population Sciences

PAR-21-190 (R01 Clinical Trial Optional)

Find a complete list of BRP funding opportunities at cancercontrol.cancer.gov/brpfunding.

View sample grant applications at cancercontrol.cancer.gov/samplegrants.

Learn about our BBPSB-funded grantees at cancercontrol.cancer.gov/brpgrantees.
Webinar Series

Perspectives on Cancer and Aging:
The Arti Hurria Memorial Webinar Series

This quarterly NCI-sponsored webinar series strives to honor the legacy of Dr. Arti Hurria, M.D., a pioneer in the fields of geriatrics and oncology and a BRP grantee and collaborator. Through this series, we are creating a community of researchers dedicated to cancer and aging research and building a platform to broadly disseminate their work.

Learn more about these webinar series:

Achieving Equity in Cancer Pain Management Webinar Series

Taking a multilevel perspective, this webinar series examines the factors that individually and jointly affect disparities in the quality and outcomes of cancer pain management, and considers approaches to reduce the unequal burden of suffering.

Medical Image Perception Research Studies

Researching medical image perception can improve the practice of radiology, pathology, and allied fields by understanding how experts perceive and interpret medical images, which can improve detection and diagnosis. This research explores questions such as:

- Why does a radiologist miss signs of cancer in a CT scan?
- What is the best way to train dermatologists to recognize cancerous skin lesions?
- How do time pressures affect performance in mammography?

The NCI developed an online resource to support medical image perception research by helping investigators share their studies and recruit participants.


BBPSB Team

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