Basic Biobehavioral and Psychological Sciences Branch (BBPSB)
cancercontrol.cancer.gov/brp/bbpsb

About BBPSB

Mission
BBPSB cultivates an extramural portfolio that generates basic behavioral, biobehavioral, and psychological science knowledge with translational relevance to 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)

**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)

**Social Connectedness and Isolation**
Biopsychosocial Factors of Social Connectedness and Isolation on Health, Wellbeing, Illness, and Recovery
PAR-19-373 (R01 Clinical Trials Not Allowed)
PAR-19-384 (R01 Basic Experimental Studies with Humans Required)

**Affective Science**
Fundamental Mechanisms of Affective and Decisional Processes in Cancer Control
PAR-20-034 (R01 Clinical Trial Optional)

**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)

**Neural Regulation**
Neural Regulation of Cancer
PAR-19-353 (R01 Clinical Trial Not Allowed)
PAR-19-354 (R21 Clinical Trial Not Allowed)

**Medication Adherence**
Oral Anticancer Agents: Utilization, Adherence, and Health Care Delivery
NOT-CA-20-026

Find a complete list of BRP funding opportunities at cancercontrol.cancer.gov/brpfunding. View sample grant applications at cancercontrol.cancer.gov/samplegrants.
Aging Trajectories in Cancer Survivors

BBPSB is interested in better understanding the effects of cancer and its treatment on well-being and aging trajectories during survivorship. Areas of research emphasis include:

- Identification of aging phenotypes in cancer survivors, and mechanisms underlying them
- Development of methods and measurement approaches to identify aging trajectories
- Implications of aging-related biological, behavioral, and psychosocial changes for cancer risk and outcomes
- Inclusion of older adults in studies of survivorship

**Webinar Series**


Cancer and Accelerated Aging: Advancing Research for Healthier Survivors

This initiative aims to identify research gaps and promising approaches to improve our ability to understand, predict, and mitigate aging consequences of cancer and treatment.

**Relevant Publications**


Pop-Up Perception Labs

Studying trained professionals, such as radiologists, is key to improving cancer detection and diagnosis through perceptual and cognitive research on cancer image perception. However, limited access to these professionals makes this research difficult. To address this barrier, NCI hosts pop-up labs at scientific meetings where these professionals are present. These labs provide a shared facility for investigators to recruit and test radiologist observers, with support from the meeting organizers. Past labs have been held at the Radiological Society of North America (RSNA) annual meeting; learn more at https://cancercontrol.cancer.gov/brp/bbpsb/rsna-perception-laboratory.html.

**Relevant Publication**


BBPSB Team

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