

# DCCPS: NCI's bridge to public health research, practice, and policy

*Bob Croyle*

*November 4, 2015*

*DCCPS New Grantee Workshop*

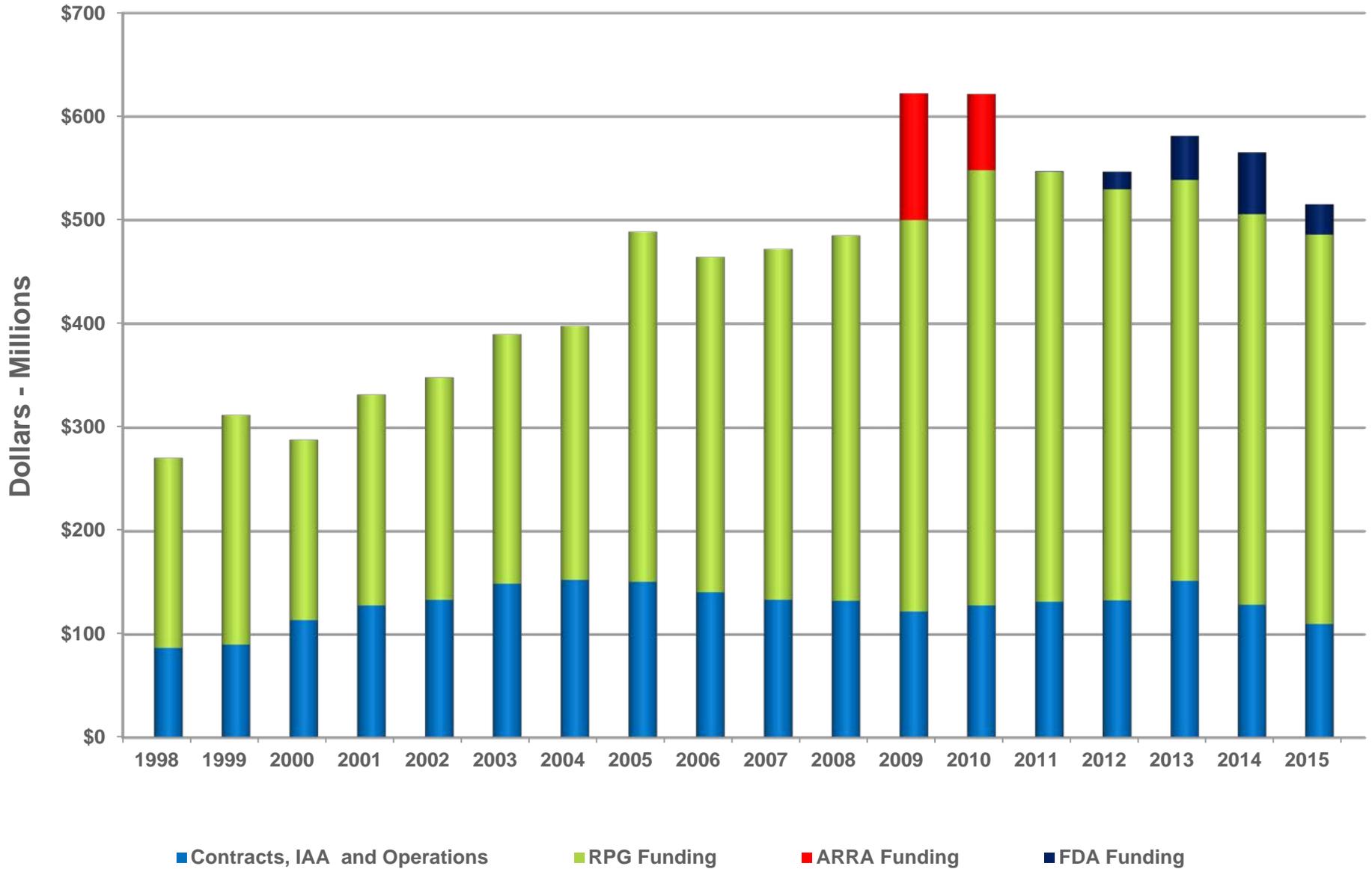
Funding  
Science  
Leadership  
Resources  
Partnership  
Communication

# Funding

# NCI's Grant Selection

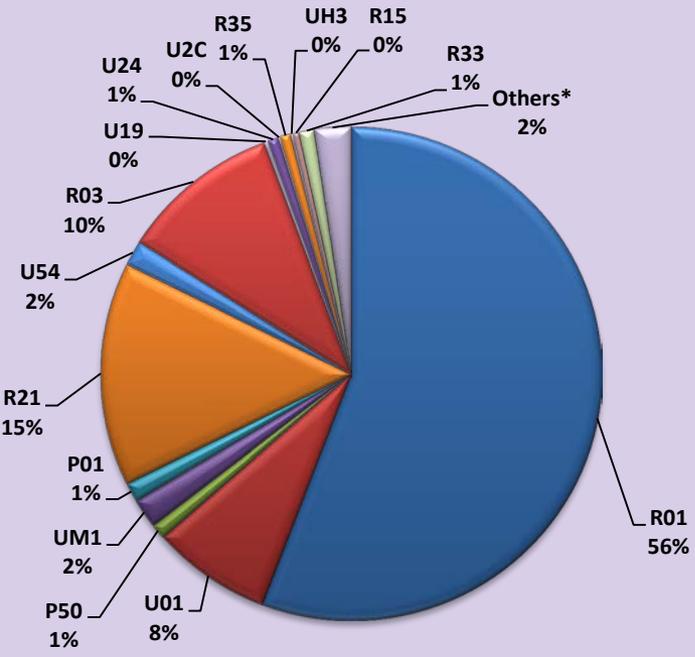
- In 2015, most R01 applications with scores up to the 9<sup>th</sup> percentile were funded.
- Applications with higher scores subject to branch, program, divisional and Scientific Program Leaders (SPL) review.
- Selection of grant applications for funding by exception
  - Not by an absolute payline - instead by individual consideration
- Over 6,300 grants awarded in FY2015
- Over 4,500 Research Project Grants (RPGs)
- Over 1,200 competing Research Project Grants (RPGs),
- Approximately 125 new Investigator awards

# DCCPS Funding FY98 - FY15

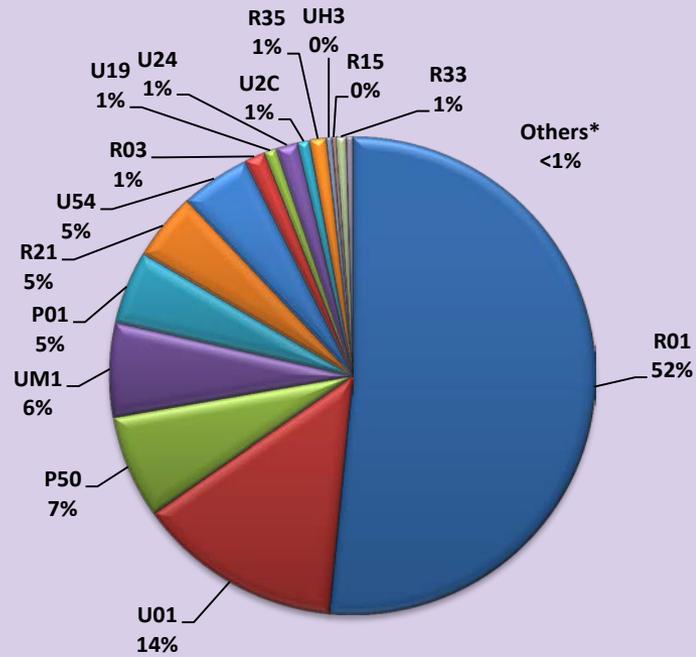


# FY15 Distribution of Grants and Funding by Mechanism

**Distribution of FY15 Grants by Mechanism (n=724)**



**Distribution of FY15 Funding by Mechanism (Total dollars=\$424M)**



# DCCPS FY15 Highlights

METRIC	DESCRIPTION
\$424M	The DCCPS grant portfolio included approximately 724 grants valued at nearly \$424 million, with work in the US and more than 43 countries aimed to reduce risk, incidence, and deaths from cancer, and to enhance the quality of life for cancer survivors.
197	DCCPS funded 197 new grants. The breadth of research supported by DCCPS includes surveillance, epidemiology, health services, behavioral science, and cancer survivorship
19	The division provided funding support to 19 new investigators. DCCPS provides information, tools, and resources to help new grantees successfully manage their grants and advance their careers
12	In addition to encouraging the best scientific ideas through investigator-initiated grant applications, DCCPS led and contributed to 12 trans-NIH funding announcements in FY15 to encourage research projects in emerging or priority areas
50	In addition to the nearly 1,000 valued investigators whose research the division funds, DCCPS collaborates with nearly 50 collaborators and partners.

# Science

# Renewed Focus on Cross-cutting Areas of Science

- Health Disparities
- Cancer Survivorship
- Implementation Science
- Global Health

## New NCI/DCCPS and Co-sponsored Funded Initiatives

- BCERP: Breast Cancer and Environment Research Program
- CISNET: Cancer Intervention and Surveillance Modeling Network
- GEOHealth: Hubs of Interdisciplinary Research and Training in Global Environmental and Occupational Health
- CRAN ABCD: Collaborative Research on Addiction at NIH, Adolescent Brain Cognitive Development Study

# New NCI/DCCPS Initiatives and Co-sponsored Announcements

- Early-life Factors and Cancer Development Later in Life - PA-15-126
- Spatial Uncertainty: Data, Modeling, and Communication - PA-15-010
- Multilevel Interventions in Cancer Care Delivery - PAR-15-108
- Tobacco Control: smoking cessation within the context of lung cancer screening - RFA15-011
- Implementation Science: trans-NIH PAR reissuance led by NCI

# Leadership

# NCI Scientific Program Leaders Group (SPL)

- Rigorous stewardship of limited resources
- Complement peer review to select the best research
- Minimize duplication and overlap (esp. vs. other recently approved grants)
- Ensure appropriate mechanism to achieve goals
- Facilitate coordination of research across NCI divisions
- Enables the senior leaders to maintain a fuller understanding of the entire NCI portfolio
- Ensure that all levels of program leadership are engaged in scientifically informed funding decisions

# Annual Plan & Budget Proposal for Fiscal Year 2017

## A Transformational Moment in Cancer Research



When I speak with leading cancer researchers in the United States and around the world, I hear unprecedented optimism that we are on the verge of pivotal advances in oncology. This sentiment is based on progress in many important areas, including immune-based therapies, genomics, advanced imaging technologies, new laboratory models of human cancer, precision medicine, and more.

Key aspects of our understanding of and approach to cancer have been transformed based on years of investment in biomedical research. We are increasingly able to treat cancer with greater precision by identifying the molecular abnormalities that drive each person's cancer and targeting therapies to each patient, ultimately improving outcomes and providing hope.

This promise of precision medicine has already been realized for treating some cancers, and we foresee greater progress in preventing, screening, and treating other cancers and even other diseases. Cancer research, therefore, offers a model for other fields of biomedical research that seek to leverage genetic and other molecular information to administer precise and effective interventions to treat disease.

At NCI, we are advancing precision oncology while managing our resources to take full advantage of the most promising scientific opportunities. It is essential that NCI support the full continuum of scientific research—from basic biological research, to population-based studies, to cutting-edge clinical trials—as virtually all advances in cancer depend on many fields of science.

**With steady and sustained budget increases and a cadre of talented researchers, a new era of cancer medicine is well within reach.**

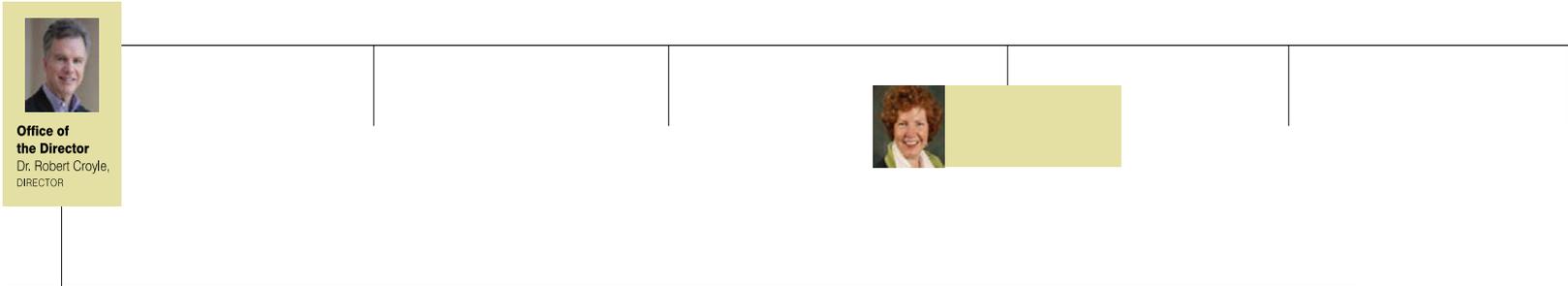
Although dramatic progress is being made, important scientific opportunities lie before us. With steady and sustained budget increases and a cadre of talented researchers, a new era of cancer medicine is well within reach.

Despite careful management of the NCI budget, many meritorious research

proposals—including some bold concepts—must go unfunded each year due to the fiscal constraints we have been operating under for more than a decade. There is little doubt that budget constraints have resulted in missed scientific opportunities.

With the exception of the one-time increase allocated in the American Recovery and Reinvestment Act, federal investment in cancer research has been stagnant since 2003. During this same period, the costs of conducting research have escalated as inflation has substantially eroded NCI's purchasing power. As a result, competition for NCI grants has been fierce, and some young researchers, frustrated by a lack of funding, have abandoned careers in medical research.

# DCCPS Organization



# Resources

# NCI Resources



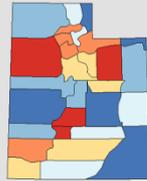
Cancer Planning



Survey Data

State Cancer Profiles

Cancer Rates for All Cancer Sites Combined in Utah, 2007-2011



HINTS Data



Research2Reality



SEER Data

GIS

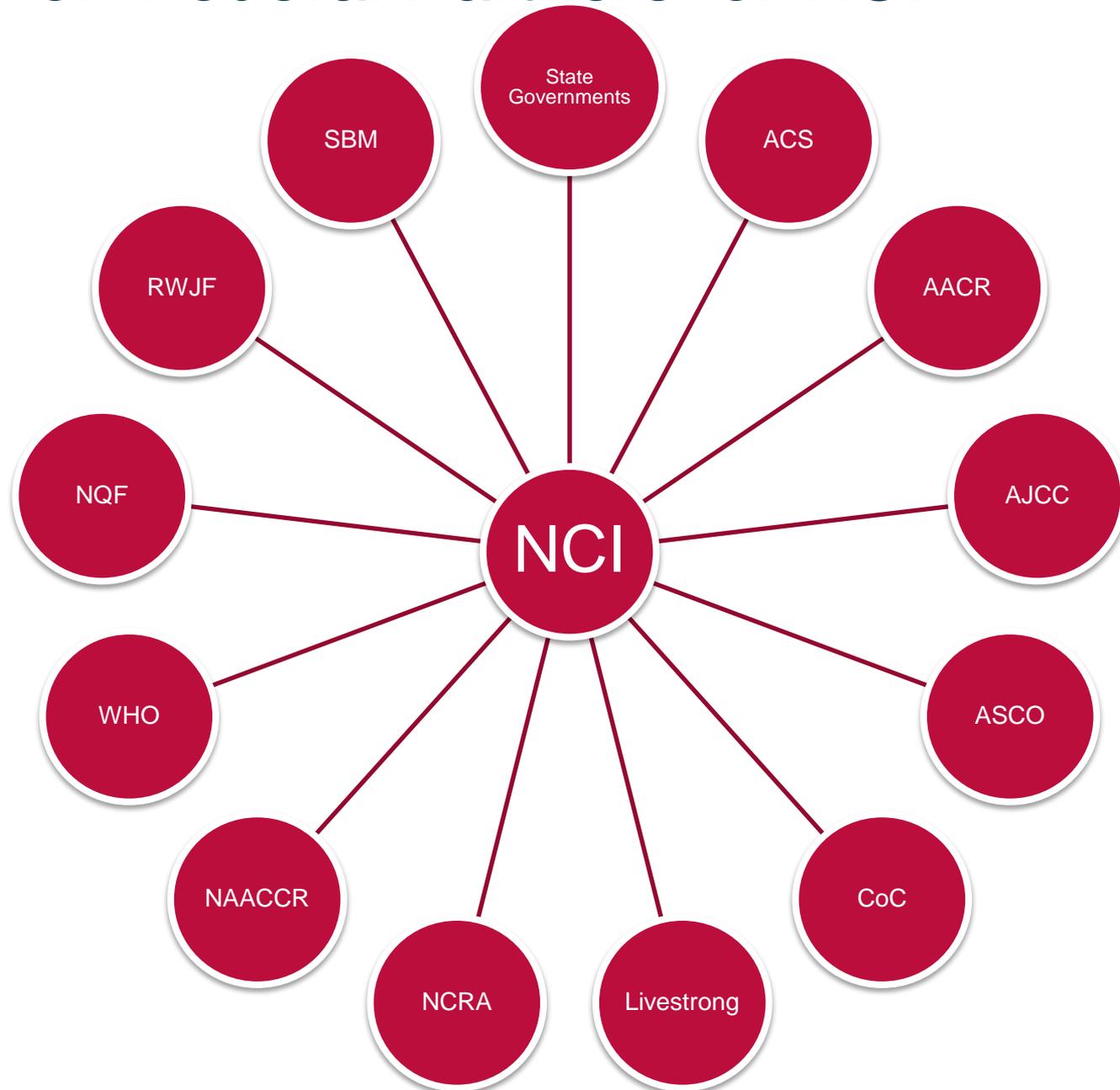


Data Linkages



# Partnership

# Key Non-Federal Partners for NCI



- CDC-NCI *Select Collaborations 2010-2014*



## Opportunities for Bilateral Cooperation

Select Collaborations 2010-2014

National Cancer Institute  
Centers for Disease Control and Prevention

# Communication

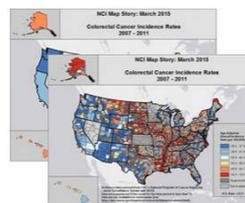
# VISIT

*cancercontrol.cancer.gov*

- Funding opportunities and guidance
- Public data sets and analyses
- Reports
- Videos and infographics
- Staff contacts for support
- Cancer Control Publications (CC Pubs) database



## Featured Infographic



Map Story: Colorectal Cancer

[View all Previous Infographics](#)



# ENGAGE



DCCPS hosted more than 50 webinars in the past year

The division hosts workshops, symposia, and meetings throughout the year. Our staff are eager to engage with researchers at NCI booths at major conferences



R2R is an interactive community of practice developed by DCCPS

# SUBSCRIBE

DCCPS programs produce monthly e-newsletters and NCI publishes Cancer Currents blog

 **NEWSLETTER SIGNUP**

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## Cancer Currents: An NCI Cancer Research Blog

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TWEETS	FOLLOWING	FOLLOWERS
2,314	137	31.2K



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