

# Division of Cancer Prevention RFAs and Research Priorities

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**Barry Kramer, M.D., M.P.H.**  
**Director**

**Lori Minasian, M.D.**  
**Deputy Director**

**Division of Cancer Prevention**  
**National Cancer Institute**

# Realizing Our Research Priorities Using RFAs in a Time of Limited Resources

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- Pursue flexibility in opportunities
- Use innovative and efficient approaches to stimulate research
  - Adjust research of core programs
  - Collaborate to build upon common interests

# RFA Research Priorities

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- **Clinical Studies and Large Trials**
- **Overdiagnosis and Precancerous Lesions**
- **Partnering on Clinical Studies**

# Core Programs Using RFAs (FY 2012)

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## Community Clinical Oncology Program Network

- 3 RFAs (\$87 M / U10s)

## Early Detection Research Network

- 4 RFAs (\$24 M / U01s & U24s)

## Alliance of Glycobiologists for Cancer Detection

- 1 RFA (\$3.5 M / U01s)

## Barrett's Esophagus Translational Research Network (BETRNet)

- 1 RFA (\$2.5 M / U54s)

# Community Clinical Oncology Program Network (CCOP)

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**Funds community physicians' prevention, control, and treatment clinical trials**

- **Initiated in 1983**
- **3 RFAs:**
  - **CCOPs (49)**
  - **Minority-based CCOPs (17)**
  - **Research Bases (13)**
    - **Cooperative Groups & Cancer Centers**

# Early Detection Research Network (EDRN)

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**Key network for research to identify, test and validate cancer biomarkers for early detection**

- **Initiated in 2000**
- **4 RFAs:**
  - **Biomarker Developmental Laboratories (20)**
  - **Clinical Validation Centers (8)**
  - **Biomarker Reference Laboratories (3)**
  - **Data Coordinating and Management Center (1)**
- **Associate Members (130) No RFA Funds**

# **Alliance of Glycobiologists for Cancer Detection (with NIGMS, NHLBI)**

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**Network to study molecular processes by which changes in glycosylation contribute to cancer development**

- Initiated in 2007**
- 1 RFA for Tumor Glycomics Laboratories (8)**
- Other ICs fund additional investigators and laboratories in the Alliance**
- Promising glycans can be validated by EDRN**

# Barrett's Esophagus Translational Research Network (BETRNet)

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**Goal is to understand the biology of the preneoplastic lesions and invasive cancer**

- **Initiated in 2011**
- **1 RFA:**
  - **DCP funds 2 research centers**
  - **DCB funds 1 research center**  
**1 coordinating center**



# **Collaborations to Build Upon Common Interests (FY 2012)**

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## **Jointly Initiated Projects**

- **Common Pathogenic Mechanisms of Lung Cancer and COPD (RFA-HL-11-002) with NHLBI (\$2.0 M / R01s)**
- **Biomechanisms of Peripheral Nerve Damage by Anti-Cancer Therapy (PA-12-082 and PA-12-083) with NINDS**

## **Building on Existing Trials for Cancer Endpoints**

- **Diabetes Prevention Program Outcomes Study  
NIDDK (\$0.7 M / U01s)**
- **Aspirin in Reducing Events in the Elderly/ ASPREE  
NIA (\$0.9 M / U01)**

# Upcoming Projects

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## **NCI Community Oncology Research Program (NCORP)**

- **Two existing programs to be aligned to expand the scope of research to include clinical trials, cancer care delivery, and cancer disparities research**
- **BSA presentation in June 2013 (tentative)**

## **Improving the Diagnosis of Early Lesions Detected by Cancer Screening (with DCB)**

- **Characterize cellular and molecular patterns to distinguish indolent vs progressive lesions**
- **Determine the cellular and molecular phenotypes of early lesion cells and associated microenvironment**

