

Engagement and Funding Opportunities

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Division of Cancer Biology
New Grantee Workshop*

Roles of the Program Directors (PDs)

PDs have multiple roles in addition to stewardship of grants
How can we help promote you and your science?

- I. Inform NCI and NIH leadership of notable research advances
- II. Organize plenary sessions and scientific conferences
- III. Plan strategic workshops
- IV. Develop funding opportunity announcements



Note: actor portrayal of actual DCB PDs

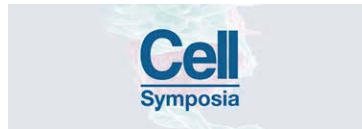
I. Inform NCI and NIH leadership of notable research advances

Information on scientific achievements may be used by an NCI PD in a variety of contexts

- Generate reports for NCI Leadership;
 - NCI Funding plan justifications and budget recommendations
 - Update BSA on progress in major programs
 - Response to Congressional inquiries, prepare briefing books
- Share knowledge on research advances with NCI and NIH colleagues;
 - Strategic planning
 - Set priorities
 - Coordinate research across different fields
 - Identify gaps in research
 - Identify areas of potential synergy between groups or scientific areas
- Internal journal clubs and seminars;

II. Organize sessions at scientific conferences (not R13)

- Serve as organizers at national scientific conferences
 - Grantsmanship mentoring;
 - Outreach for NCI programs and funding opportunities;
 - Highlight emergent NCI priority areas;
 - Network investigators from disparate disciplines;
 - engage cancer researchers with engineers and physicists
 - connect Dev. Bio. or cell biologist with cancer biologist



III. Plan strategic scientific workshops

NCI sponsors scientific workshops on topics that appear to be emerging areas of interest or areas that might need coordination

- Intent of NCI PD to plan workshops;
 - Gain knowledge on the status of the field
 - Identify where gaps exist
 - Determine if NCI coordination or resources are needed
 - Establish or network a community as needed
- Investigators serve in various roles at NCI workshops;
 - Participant
 - Discussant
 - Speaker
 - Co-chair

III. Plan strategic scientific workshops

A sampling of recent NCI Division of Cancer Biology workshops

- Tumor Immune Microenvironment Workshop
- Systems Biology of Metastasis Workshop
- exRNA Transport Workshop
- Microbial Based Cancer Therapy Conference
- NIH Citizen Science Symposium
- Mechanistic links between the DNA-damage & Immunogenic toxicity
- Immune Interventions in Oncology Think Tank
- Cancer Stem Cells Conference
- Lysosome Changes During Cancer Progression Workshop
- Workshop on Subcellular to Cellular Cancer Imaging
- Workshop on Non-Classical Behaviors in Biological Functions
- Systems Approaches to Cancer Biology
- Linear & Non-Linear Metastasis Meeting
- Cancer Cell Biology Symposium
- Cancer Cachexia Conference
- Progesterone and Breast Cancer Workshop
- Cancer Fitness Landscapes in Tumor Evolution Workshop
- Think Tank on Origins of GI Cancers
- Deconstructing Tumor Heterogeneity

IV. Develop funding opportunity announcements (FOAs)

- Formalize ideas into a “Concept”
 - Assess state of the science, needs, gaps...
 - Engage stakeholders, form coalitions
 - Vet concept through internal gauntlet (Branch, Div., NCI, BSA)
 - Justify the means to implement the FOA
- Write-up the concept & publish as a formal FOA;
- Conduct outreach;
 - Promote FOA
 - Groom/advise applicants
- Partner with SRO for peer review(s);
 - Orientation for peer review
- Manage the FOA / Program;
 - Develop and defend Funding Plans
 - Coordination and stewardship of Program



IV. Draft funding opportunity announcements (FOAs)

Sampling of recent DCB-sponsored FOAs ([link](#))

[PAR-16-344](#) Biological Comparisons in Patient-Derived Cancer Models (U01) (Espey)

[PA-16-177](#) Pilot and Feasibility Studies Evaluating the Role of the Epitranscriptome (R21) (Strasburger)

[PA-16-251](#), [PA-16-252](#) Gene Fusions in Pediatric Sarcomas (R01, R21) (Witkin)

[PAR-16-226](#), [PAR-16-227](#) The Role of Mobile Genetic Elements in Cancer (R21, R01) (Howcroft)

[PAR-16-228](#), [PAR-16-229](#) Metabolic Reprogramming to Improve Immunotherapy (R21, R01) (McCarthy)

[PAR-16-245](#), [PAR-16-246](#) Neural Regulation of Cancer (R21, R01) (Jhappan)

[PAR-16-131](#) Cancer Systems Biology Consortium (U01) (Hughes)

[PAR-17-171](#) Enabling Biomimetic Tissue-Engineered Technologies for Cancer Research (R01) (Zahir)

[PAR-17-244](#), [PAR-17-245](#) Enhance Applicability of Mammalian Models for Translational Research (Boudreau)

[PA-17-219](#), [PA-17-220](#) Mechanisms of Alcohol-associated Cancers (R21, R01) (Johnson)

[PA-17-459](#), [PA-17-460](#) Biology of Lung, and Head and Neck Preneoplasias (R21, R01) (Johnson)

[PAR-17-150](#), [PAR-17-151](#) Mechanisms of Disparities in Chronic Liver Diseases and Cancer (R21, R01) (Read-Connole)

[PAR-17-203](#), [PAR-17-204](#) Inter-organelle Communication in Cancer (R21, R01) (Espey)

[PAR-17-207](#) Alliance of Glycobiologists for Cancer Research (U01) (Sathyamoorthy)

[PAR-17-475](#), [PAR-17-476](#) Electronic Nicotine Delivery Systems (ENDS) (R21, R01) (Johnson)

[RFA-CA-17-030](#) HIV/AIDS and the Tumor Niche (R01) (Read-Connole)

[PAR-18-434](#) Synthetic Biology for Engineering Applications (R01) (Hughes)

[PAR-19-101](#) Physical Sciences Oncology Network (U01) (Zahir)

[RFA-19-016](#) Cellular Cancer Biology Imaging Research (CCBIR) Program (UM1) (Espey)

Congratulations on your award



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