

# DCB/NCI Outreach Activities

*Shannon Hughes, PhD  
Division of Cancer Biology  
New Grantee Workshop*

# How can we help promote you and your science?

## **Program Directors (PDs) have multiple roles in addition to stewardship of grants**

- 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
- V. Provide NIH-related information



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;
  - Update NCI Board of Scientific Advisors (BSA) or National Cancer Advisory Board (NCAB) on progress in major programs or across general cancer research areas
  - 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;

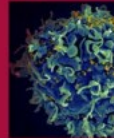
We also inform the general and scientific public about advances and initiatives:



**NCI Division of Cancer Biology** @NCICancerBio  
Learn more about the new @theNCI fun research investigating the role of the tumor development of cancer observed in individual [grants.nih.gov/grants/guide/r...](https://grants.nih.gov/grants/guide/r...)

### Funding Opportunity

**RFA-CA-19-010**  
HIV/AIDS and the Tumor



NCI Cor...

Elizabeth Read-Connole, PhD  
240-276-6190  
[bconnole@mail.nih.gov](mailto:bconnole@mail.nih.gov)



**NCI Division of Cancer Biology** @NCICancerBio · Jan 31  
Next Friday, Feb. 7th is the application deadline for the 2020 @NCIsysbio & @NCIPhysSci Summer Undergraduate Research Program! For more info about this opportunity that is open to undergrads interested in #systemsbiology and #physicaloncology, go to [ncifrederick.cancer.gov/SummerProgram/](https://ncifrederick.cancer.gov/SummerProgram/).

### NCI Systems Biology and Physical Sciences Summer Research Program

#### 2020 Program details

Undergraduate students interested in solving complex problems in cancer through interdisciplinary research are encouraged to apply by February 7, 2020. Please [click here](#) to submit an application.

- 16 opportunities for [Projects](#) available at 14 different research institutions.
- Applicant Eligibility
  - Open to Rising Junior & Senior Undergraduates
  - Applicant must be currently enrolled in an accredited U.S. college or university
  - Applicant must be eligible to work in the United States
- Program Benefits:
  - \$4000 Stipend + Free Housing at Research Site
  - Roundtrip domestic travel to/from Research Site
  - Roundtrip travel & accommodations for two-day research conference at the NIH in Bethesda, MD

WORLD CLASS INSTITUTIONS  
14  
WEEKS OF MENTORED RESEARCH  
10  
TRIP TO WASHINGTON DC  
1

Tweets from NIH's new Biomedical #citizenscience hub. RT ≠ endorsement, all opinions belong to the author. Privacy policy: [1.usa.gov/105MzXG](https://1.usa.gov/105MzXG)

[citscibio.org](https://citscibio.org)

Joined October 2015

Cancer Systems Biology Consortium

Joined August 2016

38 Following 2,015 Followers

# Advancing cancer biology at the frontiers of machine learning and mechanistic models

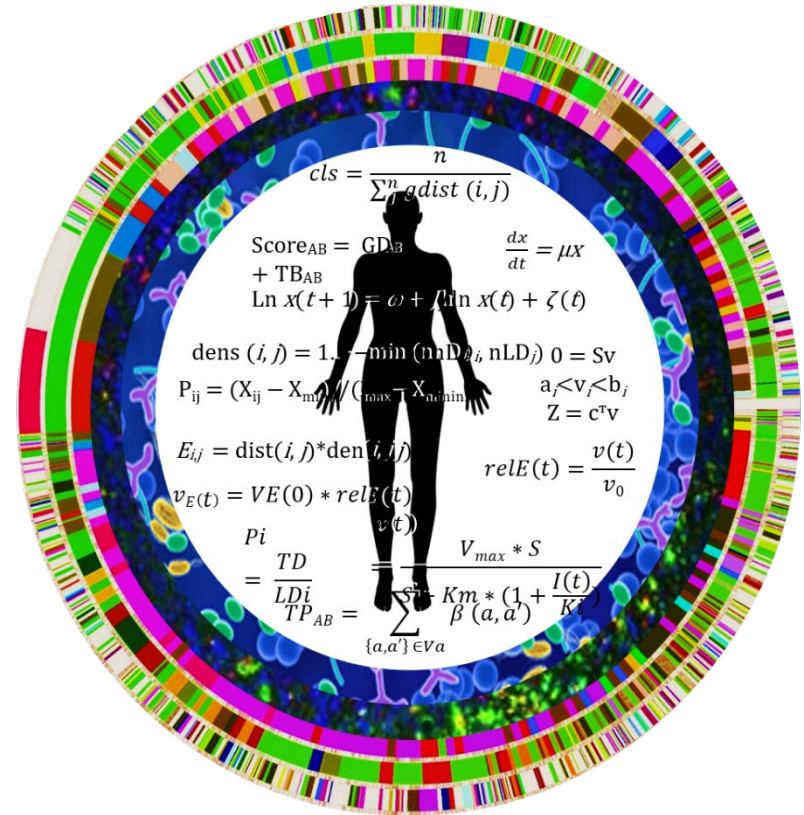
## 2020 Innovation Lab

What is an Innovation Lab?

- Intense, boot-camp science setting to encourage broad idea generation
- Bring together researchers from diverse fields – scientific convergence
- Promote new collaborations
- Small pilot funding to jump start collaborations

Application at

<https://tinyurl.com/IL2020-NCI>



Follow @NCISysBio for updates

# We can help to get your work out there

## CANCER CURRENTS BLOG

Research Findings

Drug Approvals

Precision Medicine

Leadership Views

[Home](#) > [News & Events](#) > [Cancer Currents Blog](#)

## Changes in Metabolism Help Melanomas Spread

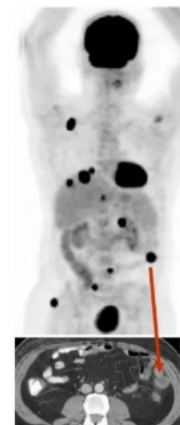
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January 21, 2020, by NCI Staff

Melanoma, the deadliest form of skin cancer, can be treated effectively through surgery when it's caught early. But once it has spread from the original site of the tumor to other organs in the body, it can become highly lethal.

A new NCI-supported study may provide important insights into why some melanomas are more likely to spread, or metastasize, than others. The researchers showed that melanoma cells are more likely to metastasize if they

produce high levels of a transport protein



PET/CT scan of a patient with

<https://www.cancer.gov/news-events/cancer-currents-blog>



# NCI Bottom Line: A Blog About Grants & More

New blog featuring 1-2 posts per month addressing:

- budget- and funding-related milestones
- funding trends and patterns
- emerging policy or fiscal issues
- analyses of NCI's grants portfolio

***Subscribe now by visiting:***

**[www.cancer.gov/grants-training/nci-bottom-line-blog](http://www.cancer.gov/grants-training/nci-bottom-line-blog)**

[Home](#) > [Grants & Training](#)



## NCI Bottom Line: A Blog about Grants and More

[Subscribe](#)

This grantee-focused blog covers the latest on NCI's fiscal landscape, funding decisions, grants policy news, processes, and more.



### FY 2020 Budget Boost for NCI Increases Research Awards, Improves Paylines

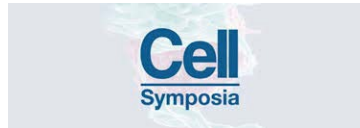
January 16, 2020, by NCI Director, Dr. Norman E. Sharpless

For this edition of the NCI Bottom Line, NCI Director, Dr. Norman E. Sharpless provides an update to the fiscal year (FY) 2020 budget and what exactly that means for NCI, research awards and paylines. Dr. Sharpless further discusses the grant policies that surround both competing and noncompeting grants from NCI.

[Continue Reading >](#)

## 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;

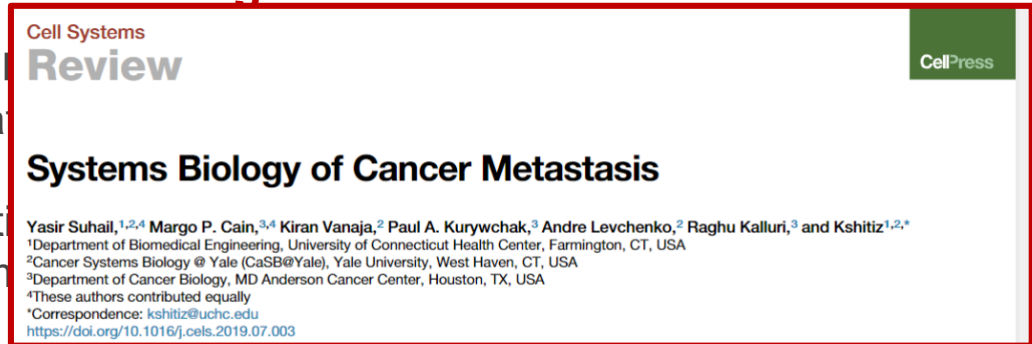




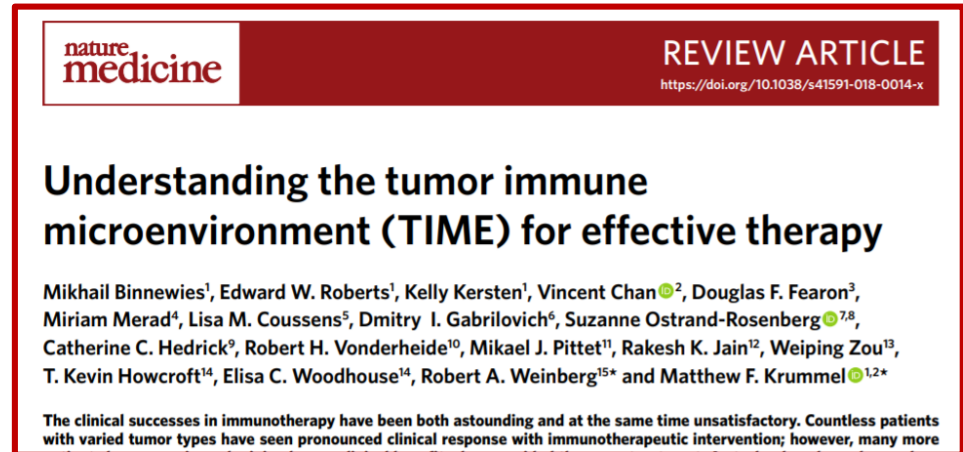
### III. Plan strategic scientific workshops

**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 state of the field
  - Identify where gaps exist
  - Determine if NCI coordination is needed
  - Establish or network a community



- Investigators serve in various roles at NCI workshops;
  - Participant
  - Discussant
  - Speaker
  - Co-chair



### III. Plan strategic scientific workshops Cont.

#### *2019 NCI Division of Cancer Biology workshops*

- Accelerating cancer research through user-centered software design
- Targeting the molecular basis of the BRCA phenotype in human cancer
- Think tank on the origins of GI cancers
- Translation dysregulation in cancer workshop
- Fibrosis to liver cancer
- Gynecology & women's health; benign conditions and cancer
- Cancer systems microbiome innovation lab
- Liquid phase condensation as a cellular regulatory mechanism
- Postdoctoral symposium on tissue-resident immune cells
- Deconstructing tumor heterogeneity; the stromal perspective
- Viral oncogenesis and metabolism

## 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 multiple levels (Branch, Div., NCI, BSA)
  - Justify the means to implement the FOA
- Publish as a formal FOA;
- Conduct outreach;
  - Promote FOA
  - 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](#))*

[RFA-CA-20-032](#) Radiobiology of High Linear Energy Transfer (High LET) Exposure in Cancer Treatment (R01) (Witkin)

[RFA-CA-20-016](#) HIV/AIDS and the Tumor Niche (R01) (Read-Connole)

[PAR-20-061](#), [PAR-20-062](#) Co-infection and Cancer (R21, R01) (Daschner, Read-Connole)

[PAR-19-361](#) Small Cell Lung Cancer Consortium (U01) (Johnson)

[PAR-19-353](#), [PAR-19-354](#) Neural Regulation of Cancer (R21, R01) (Jhappan)

[PAR-19-287](#) Research Projects in Cancer Systems Biology (U01) (Hughes)

[PAR-19-193](#), [PAR-19-194](#) Microbial-based Cancer Therapy – Bugs as Drugs (R01, R21) (Daschner)

[PAR-19-198](#), [PAR-19-199](#) Modulating Intestinal Microbiota to Enhance Protective Immune Responses (R01, R21) (Daschner)

[PAR-19-183](#), [PAR-19-184](#) Biology of Bladder Cancer (R21, R01) (Johnson)

[PAR-19-113](#) Enabling Biomimetic Tissue-Engineered Technologies for Cancer Research (R01) (Zahir)

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

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

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

[PA-17-449](#), [PA-17-440](#) The Interplay of Cell Death Pathways in Cancer Cell Survival and Resistance (R21, R01) (Salnikow)

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

<http://grants.nih.gov/>

# V. Provide important NIH-related information

## e.g. NIH Anti-Harassment Policy

The [National Academies report on sexual harassment of women in science](#) found that “*federal agencies may be perpetuating the problem of sexual harassment.*” The NIH Director stated that he is concerned that NIH has been part of the problem. Thus, the NIH is working on:

- **Demonstrating accountability and transparency**
  - A clear message to institutions that NIH funds and researchers who lead the research that sexual harassment is unacceptable.
- **Clarifying expectations** for institutions and investigators to ensure safe workplace
  - Read more on the 6/14/2019 “[Open Mike](#)” blog
- **Providing clear channels of communication to the NIH**
  - For concerns related to harassment affecting NIH-funded research, an email can be sent to: [GranteeHarassment@od.nih.gov](mailto:GranteeHarassment@od.nih.gov)
  - Or use the webform: <https://public.era.nih.gov/shape/public/notificationForm.era>

*Congratulations on your award*



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INSTITUTE

[www.cancer.gov](http://www.cancer.gov)

<http://cancer.gov/dcb>