

DCB/NCI Outreach Activities

Steven Becker, PhD
Division of Cancer Biology



cancer.gov/DCB

DCB New Grantee Workshop
January 24-25, 2023

How can DCB/NCI help promote you and your science?

- I. Inform the scientific community of research advances
- II. Communicate research to the general public
- III. Promote NCI priorities and funding opportunities



DCB Communications Team

Sharing Research, NOFOs, Resources, News, Upcoming Events, and Progress in Cancer Biology



- About Cancer ▾
- Cancer Types ▾
- Research ▾
- Grants & Training ▾
- News & Events ▾
- About NCI ▾**

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DCB

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Division of Cancer Biology

The Division of Cancer Biology (DCB) supports basic research in all areas of cancer biology at academic institutions and research foundations across the United States. As part of the National Cancer Institute, DCB provides funding for research that investigates the basic biology behind cancer.

Connect with DCB

- [Twitter: @NCICancerBio](#)
- [LinkedIn: NCI Division of Cancer Biology](#)

Subscribe to our email to get news and updates about basic cancer research



News and Updates from the Division of Cancer Biology (DCB) *December 2023*

IN THIS EMAIL

- DCB News
- Upcoming DCB Events
- Recent DCB Funding Opportunities
- Notice of Request for Information (RFI) to Facilitate Cancer Systems immunology Research
- Supplements to Support Cancer Disparity Collaborative Research
- NCI-IOTN-SITC-AAI Workshop on Combining Immunotherapy with Radiotherapy: Opportunities and Challenges for Clinical Translation
- 40 Years of Cancer Epigenetics Symposium
- DCB New Grantee Workshop Materials
- 4D Nucleome Hackathon
- Meet a DCB Staff Member: Michelle Turner



Informing the Broader Scientific Community & General Public

NIH NATIONAL CANCER INSTITUTE

NCI Division of Cancer Biology
@NCICancerBio

Official Twitter account for the Division of Cancer Biology research

Bethesda, MD

62 Following

NCI Systems Biology
@NCISysBio

Alexander...
#NCICSB...
#metada...
benchmark...
bit.ly/3G...

NCI Division of Cancer Biology
@NCIDivCancerBio

#DYK that...
opportuni...
atlases? g...
#CancerM...

NCI Physical Sciences
@NCIPhySci

Are you an undergrad with limited research experience interested in solving complex problems in cancer through #interdisciplinaryresearch? Consider applying by Feb. 20, 2023 for the #NCICancerBio Summer Undergraduate Research Program.
frederick.cancer.gov/careers/intern... #DCBSURP23

2023 NCI Division of Cancer Biology Summer Undergraduate Research Program

- Open to Rising Junior and Senior Undergraduates with 0-1 year research experience
- \$6000 Stipend + Free Housing
- Support for Travel to/from Research Institution
- Two-Day Research Conference at NIH

Request Challenges and Solutions with Multidisciplinary Approaches

```
import MicroBench  
MicroBench = MicroBench(  
    home/user/my-benchmark/  
    benchmark.py, num_procs=16,  
    SLURM_ARRAY_TASK_ID=1)  
MicroBench.run()  
MicroBench.plot()  
MicroBench.save()  
MicroBench.cleanup()
```

Share
ncispat

Application deadline February 20, 2023

Research Network
Multi-level approaches to cancer metastasis

engineering, & imaging
go.usa.gov/xyJZF
August 2012

etNet, using systems
go.usa.gov/xyJZF
2016

NIH NATIONAL CANCER INSTITUTE

Informing the Broader Scientific Community and General Public



We especially thank our panelists of @sitcancer (with @BernardAFox), @IOTNmoonshot, @gulleyj1, @MeliD32, and @JennGuerriero for leading this great conversation about cancer #immunotherapy research! #CIMChat22 #CIM22 #Immune2Cancer

NCI Division of Cancer Biology
Cancer Immunotherapy Month
CIMChat22

IOTN

sitc

We especially want to acknowledge the panelists!

4:31 PM · Jun 29, 2022

DATAVIZ + CANCER

CANCER MOONSHOT
SEMINAR SERIES

Thursday, November 17th from 12:00 - 1:00 pm ET

Development of a Visualization Approach to Enhance Cancer Moonshot Data

Zeynep Gumus, Ph.D.
Icahn School of Medicine at Mt. Sinai

2022 MICRO LAB SERIES

Stanford MEDICINE

Emma Lundberg

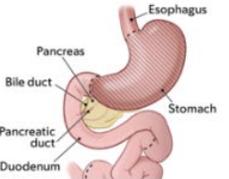
eMalick Njie

We can help to get your work out there

Cancer Currents: An NCI Cancer Research Blog

Subscribe

A blog featuring news and research updates from the National Cancer Institute. Learn more about *Cancer Currents*.



For People with Inherited Risk of Stomach Cancer, Gastrectomy Has Lasting Consequences

January 12, 2024, by Shana Spindler

In a recent study, more than 90% of people who'd had their stomach surgically removed to prevent cancer experienced a least one chronic complication 2 years out from their surgery. For some, the complications were life altering.

[Continue Reading >](#)



Enzalutamide Gets Added Approval for Prostate Cancer That Hasn't Spread

January 5, 2024, by Carmen Phillips



NIH

**NATIONAL
CANCER
INSTITUTE**

NCI Division of Cancer Biology

Supporting fundamental cancer research that lays the foundation for advances in cancer prevention, diagnosis & treatment

Government Administration · Rockville, Maryland · 2K followers

[NCI Division of Cancer Biology: Overview | LinkedIn](#)

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

NCI Bottom Line: A Blog About Grants & More

NCI blog addressing:

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

Subscribe at cancer.gov.



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.



NCI's Fiscal Year 2024 Budget Challenges and Interim Paylines Explained

November 15, 2023, by NCI Acting Director, Dr. Douglas R. Lowy

NCI faces significant challenges while operating under a continuing resolution for fiscal year 2024. In this edition of the Bottom Line, NCI Acting Director Dr. Lowy highlights the impact of this "flat" budget on NCI's ability to support cancer research and shares fiscal year 2024 interim paylines for competing grants.

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Leading Progress against Cancer: NCI's Fiscal Year 2025 Professional Judgment Budget Proposal

September 27, 2023, by Director, Center for Research Strategy, Dr. Diane Palmieri

The National Cancer Institute Fiscal Year 2025 Professional Judgment Budget Proposal highlights how, with optimal funding, NCI will support cancer research, train future cancer researchers, and expand and maintain research infrastructure to achieve the goal of ending cancer as we know it for all. In this edition, Dr. Diane Palmieri discusses NCI's proposal to increase funding to support more meritorious cancer research and spotlights one of the five scientific opportunities, the Cancer Research Data Ecosystem, where increased funding will spur advances.

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Resources from the Frederick National Laboratory for Cancer Research

August 3, 2023, by NCI Director Dr. Monica Bertagnolli

In this edition of the NCI Bottom Line blog, Dr. Bertagnolli highlights resources available to researchers from the Frederick National Laboratory for Cancer Research (FNLCR). From cryo-electron microscopy to the RAS Initiative, FNLCR offers a variety of tools for the scientific community to propel research progress and enable breakthroughs.

[Continue Reading >](#)

How program staff help promote you and your science

Program Director Roles:

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

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
 - Responses 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)

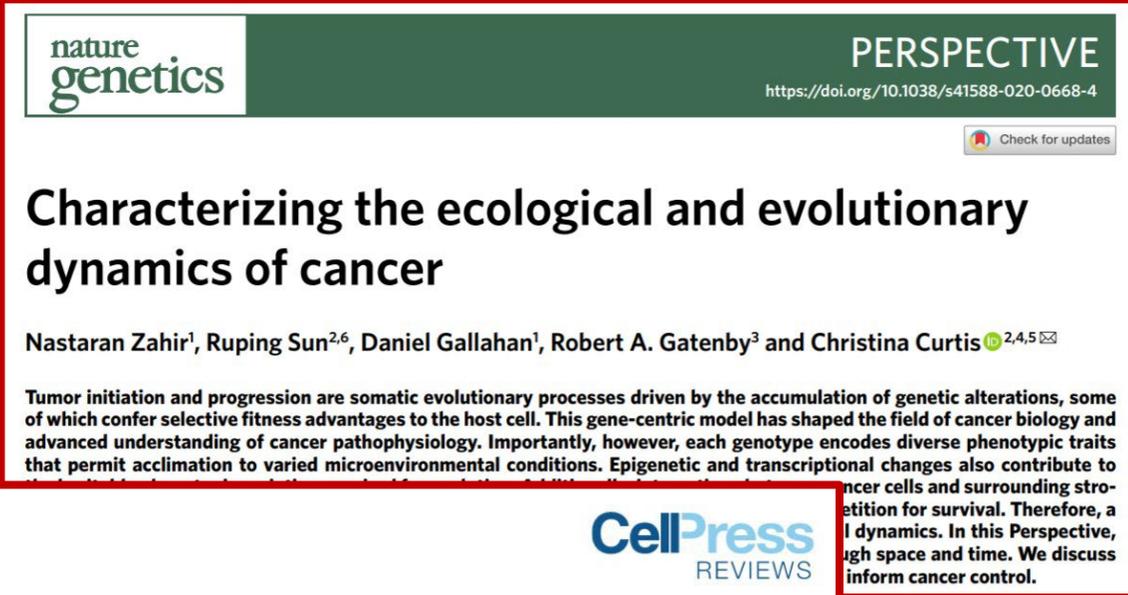
- PDs may serve as organizers and speakers at national scientific conferences
 - Outreach for NCI programs and funding opportunities
 - Highlight emergent NCI priority areas
 - Grantsmanship mentoring
 - **Network investigators from disparate disciplines**



III. Plan Strategic Scientific Workshops

NCI sponsors scientific workshops on topics or areas that need coordination

- Intent of NCI workshops;
 - Gain knowledge on the status of the field
 - Identify where gaps exist
 - Determine if NCI coordination or resource
 - Establish or network a community as ne
- Investigators serve in various roles
 - Participant
 - Discussant
 - Speaker
 - Co-chair



nature genetics

PERSPECTIVE

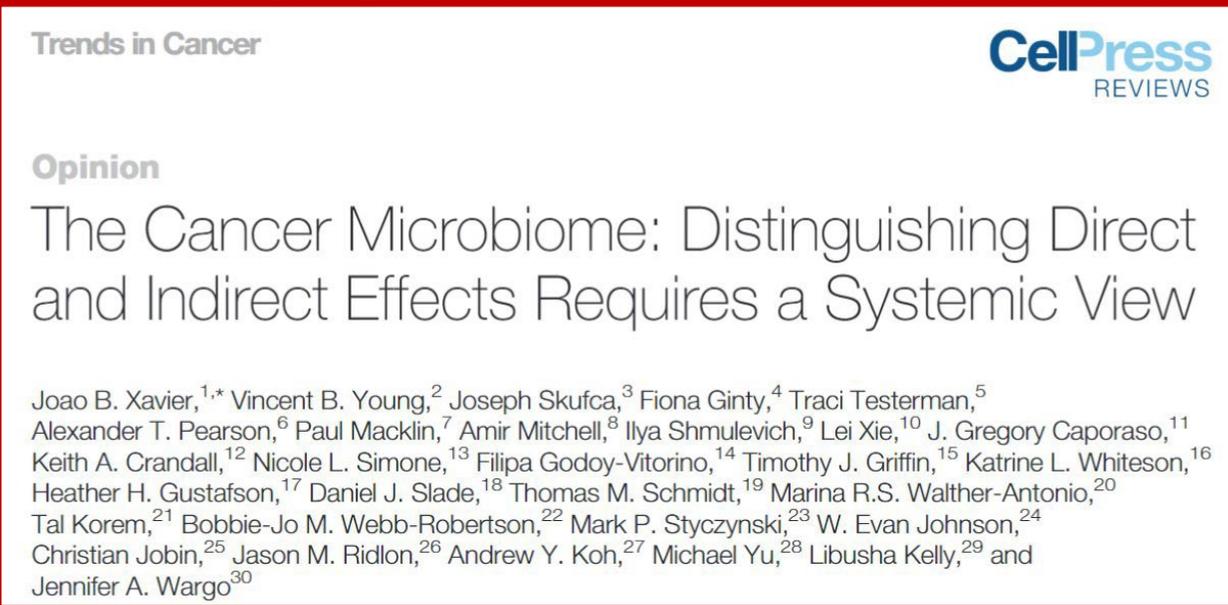
<https://doi.org/10.1038/s41588-020-0668-4>

Check for updates

Characterizing the ecological and evolutionary dynamics of cancer

Nastaran Zahir¹, Ruping Sun^{2,6}, Daniel Gallahan¹, Robert A. Gatenby³ and Christina Curtis^{1,2,4,5}

Tumor initiation and progression are somatic evolutionary processes driven by the accumulation of genetic alterations, some of which confer selective fitness advantages to the host cell. This gene-centric model has shaped the field of cancer biology and advanced understanding of cancer pathophysiology. Importantly, however, each genotype encodes diverse phenotypic traits that permit acclimation to varied microenvironmental conditions. Epigenetic and transcriptional changes also contribute to cancer cells and surrounding stroma. Therefore, a systems-level view of cancer dynamics is essential to understand cancer progression and inform cancer control.



Trends in Cancer

CellPress
REVIEWS

Opinion

The Cancer Microbiome: Distinguishing Direct and Indirect Effects Requires a Systemic View

Joao B. Xavier,^{1,*} Vincent B. Young,² Joseph Skufca,³ Fiona Ginty,⁴ Traci Testerman,⁵ Alexander T. Pearson,⁶ Paul Macklin,⁷ Amir Mitchell,⁸ Ilya Shmulevich,⁹ Lei Xie,¹⁰ J. Gregory Caporaso,¹¹ Keith A. Crandall,¹² Nicole L. Simone,¹³ Filipa Godoy-Vitorino,¹⁴ Timothy J. Griffin,¹⁵ Katrine L. Whiteson,¹⁶ Heather H. Gustafson,¹⁷ Daniel J. Slade,¹⁸ Thomas M. Schmidt,¹⁹ Marina R.S. Walther-Antonio,²⁰ Tal Korem,²¹ Bobbie-Jo M. Webb-Robertson,²² Mark P. Styczynski,²³ W. Evan Johnson,²⁴ Christian Jobin,²⁵ Jason M. Ridlon,²⁶ Andrew Y. Koh,²⁷ Michael Yu,²⁸ Libusha Kelly,²⁹ and Jennifer A. Wargo³⁰

III. Plan Strategic Scientific Workshops

NCI COMPUTATIONAL IMMUNO-ONCOLOGY WORKSHOP

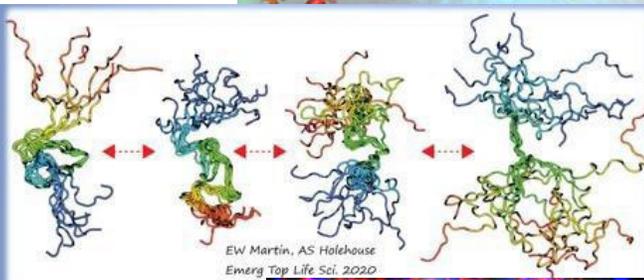
September 19, 2022

The Landscape of POST-TRANSLATIONAL MODIFICATIONS in Tumor Biology

September 22-23, 2022

Understanding the Role of Intrinsically Disordered Proteins (IDPs) in Cancer Biology: *Biophysical Challenges, Novel Approaches, And Functional Investigations*

September 26, 2022



Molecular Signatures of Exposure in Cancer A Joint NIEHS and NCI Workshop Thursday & Friday, June 29 – 30, 2023

<https://www.cancer.gov/about-nci/organization/dcb/news/past-events>

IV. Develop a Notice of Funding Opportunity (NOFO)

- Identify emerging or understudied scientific areas
 - Assess state of the science, needs, gaps
 - Engage stakeholders
 - Justify the need to NCI or NIH leadership
- Publish as a formal NOFO
- Conduct outreach
 - Promote NOFO
 - Advise applicants
- Partner with SRO for peer review(s)
 - Orientation for peer review
- Manage the NOFO and/or associated Program
 - Connect investigators



Current DCB-sponsored NOFOs ([link](#))

Subscribe to the NIH Guide Listserv – email every Friday with new NIH FOAs and policy information

<https://grants.nih.gov/funding/subscribe.htm>

NIH Guide LISTSERV:

Subscribe to Weekly TOC E-Mail with New NIH Guide Postings

The [NIH Guide for Grants and Contracts](#) is the official publication for NIH medical and behavioral research Grant Policies, Guidelines and Funding Opportunities.

NIH Guide announcements ([PAs](#), [RFAs](#) and [Notices](#)) are published daily. At the end of each work week (usually on Friday afternoon), NIH transmits a [Weekly NIH Funding Opportunities and Notices](#) e-mail to NIH Guide LISTSERV subscribers, including links to announcements published during the week (we refer to the weekly summary email as the NIH Guide TOC or NIH TOC).

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subscribe NIHTOC-L *your name*

(Example: subscribe NIHTOC-L Bill Jones)

Again, congratulations on
your awards!



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