

CCSG Funding Strategy: Implementation of Phase II

*Krzysztof Ptak, PhD, MBA
Associate Director
NCI Office of Cancer Centers*

Outline

- Recommendations of NCAB Working Group on Cancer Centers on CCSG rebalancing
- Principles of Research, Condition, and Disease Categorization process
- Determining eligible NIH cancer-relevant funding
- Determining a maximum CCSG budget
- Case study using the NIH RePORTER

NCAB Recommendations on CCSG Rebalancing

- **Phase I (FY16):** Establish base awards by type of Center and bring all Centers up to the new base
 - Basic \$1.2M, Clinical \$1.4M, Comprehensive \$1.5M (in Direct Costs)
 - Increases for 21/69 Cancer Centers
- **Phase II (FY18 – FY22):** Allocate new CCSG funds using the metrics of the size of the research base of a Center and the merit achieved in the review of its next competitive application
- **Phase III (FY23-):** Continue the effort with more new money, or adopt a zero-based formula using the metrics

Core Recommendations for Phase II Implementation

- The calculation of budget eligibility should not affect how centers write their applications (except the budget pages)
- The calculation should not depend on reviewers
- Estimates of cancer focus/relevance must be objective and apply to all grants
- The process must be simple and transparent
- The Office of Cancer Centers will calculate budget eligibility of each center prior to their submission. The grants list will be shared with the center so they can check for accuracy. Review will not be given this list

Using the RCDC Cancer Category in RePORTER

- It provides an independent assessment of a center's portfolio that will not affect how a center prepares its application
- Cancer relevance is determined in an objective manner that measures all NIH grants by the same standards
- It will be simple and transparent, as the NCAB recommended
- It will accommodate centers with members that receive significant cancer-focused grants from Other NIH institutes while retaining NCI funding as the primary determinant of new CCSG funding

Non-NIH Funding Sources

The Working Group recommended unanimously to exclude all non-NIH funding:

- There is no way to independently verify funding – the only source for funding information is the CCSG application
- The RCDC cannot be applied to these grants
- Complicates the budget calculation – there are 28 different organizations
- Funding from some of the organizations is not available to all centers
- Non-NIH sources represent 17% of all funding reported by centers

Research, Condition and Disease Categorization (RCDC)

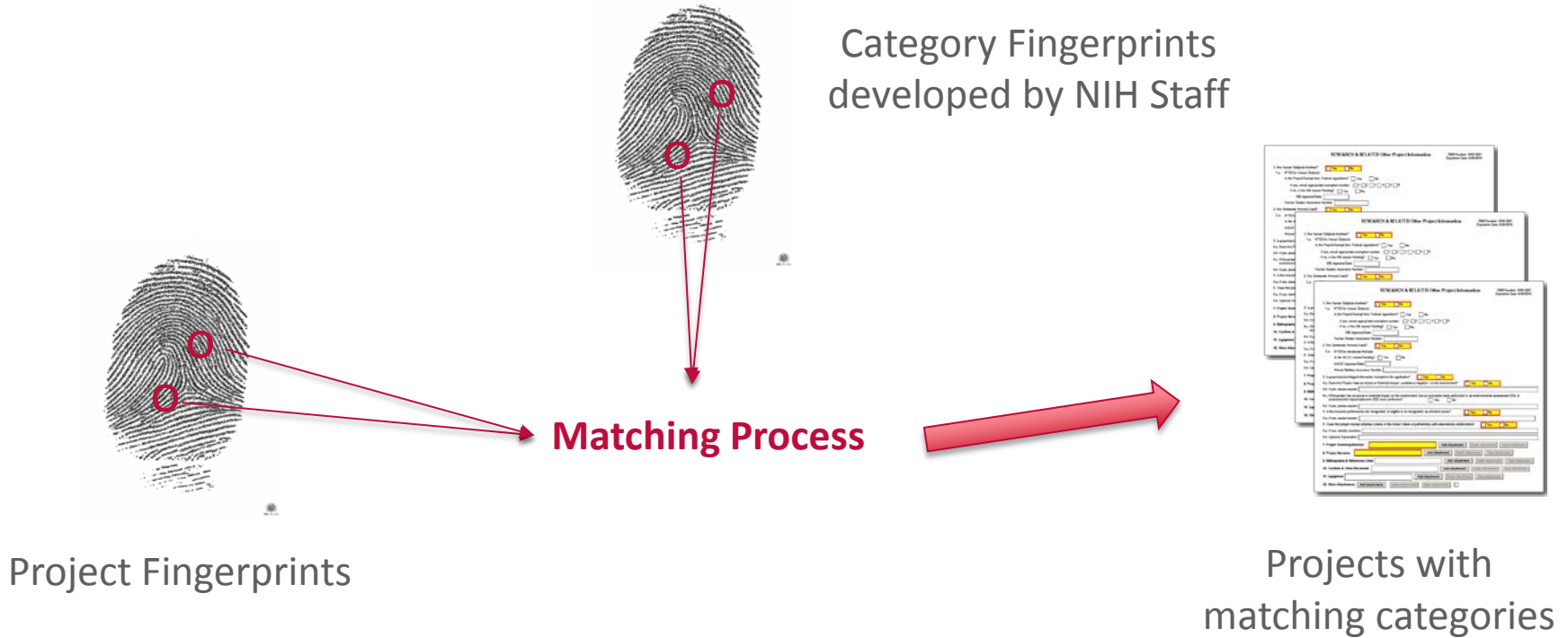
■ Purpose:

- To inform Congress and the public how NIH allocates funds
- Consistently categorize NIH-funded research projects according to research areas/categories
- Use an automated process

■ Process:

- NIH research experts define a weighted fingerprints for each of 238 categories
 - Terms are selected by NIH Scientific Experts to define that research category
 - Terms are weighted to fine-tune the matching process and threshold is set for each category
 - Terms from grants/projects are matched against RCDC fingerprints
- Adjusted and improved
- The output is reported publicly at NIH RePORTER

How Does RCDC Work?



Matching compares individual project fingerprints to the category fingerprints – the resultant **category matching score** for a project is a reflection of how closely the project is related to a particular category

Some Considerations

- RePORTER does not recognize the cancer center as an entity – it recognizes the academic home
- We will have to use the previous fiscal year for all receipt dates
 - The RCDC Report for the last FY isn't available until the presidential budget for a new FY is released, but OCC has access to the Query, Verify, Report (QVR), in which grants are RCDC categorized

OCC Process to Determine Eligible NIH Cancer-Relevant Funding

Extraction of NCI and other NIH grants in RCDC Cancer category active in a FY prior to the CCSG submission (from QVR)

Quality Control:

NCI grants – comparison with NIH RePORTER

Other NIH grants – comparison with the RCDC Cancer Category Draft (work with Lisa A. Krueger, CSSI, NCI)

Request for Information on received and contracted out subawards (official NIH multi-PI grants) and subprojects (multi-project grants)

Verify submitted information and re-adjust values

Together with the maximum CCSG budget eligibility, a list is sent to a Center for verification

What Is Excluded?

- CCSG and its supplements
- Some grants based on OCC's evaluation criteria; for example infrastructure and instrumentation grants (U10 NCTN, S10), even if NCI funded or matches RCDC
- No-Cost Extension
- HHS contracts
- Subcontracts of grants other than official multi-PIs and multi-project NIH grants

How Maximum CCSG Budget is Determined

- Basic

Eligible Funding Increments (in \$M, DC)	
First 30M	12%
Above 30M	5%

- Clinical

Eligible Funding Increments (in \$M, DC)	
First 20M	14%
20-30M	7%
above 30M	5%

- Comprehensive

Eligible Funding Increments (in \$M, DC)	
First 20M	15%
20-30M	7.5%
30-50M	5%
Above 50M	2.5%

- The ultimate award will be adjusted based on the merit score achieved in review

Priority Score *versus* Ultimate CCSG Award

PS	CCSG earned by PS	PS	CCSG earned by PS
10	100%	20	50%
11	95%	21	45%
12	90%	22	40%
13	85%	23	35%
14	80%	24	30%
15	75%	25	25%
16	70%	26	20%
17	65%	27	15%
18	60%	28	10%
19	55%	29	5%

PS	CCSG earned by PS	PS	CCSG earned by PS
30	0%	40	Diet or termination
31	0%	41	
32	0%	42	
33	0%	43	
34	0%	44	
35	0%	45	
36	-20%	46	
37	-20%	47	
38	-20%	48	
39	-20%	49	

Remember

- The list of grants used in the budget calculation is not necessarily the same list that you may include in your application (Data Table 2A and B; Research Programs, etc.)
- It will be up to each Center to establish its own list of peer-review funded grants from NIH or the non-NIH peer review funding organizations for reviewer consideration (see <https://cancercenters.cancer.gov/PoliciesResources/PoliciesResources#> for reviewer consideration)

Case:

- Matrix Comprehensive Center Center
- DUNS - 094878337
- Not CCSG consortium

NCI awards– Search Parameters

SUBMIT QUERY

CLEAR QUERY

Fiscal Year (FY): ?
Current FY is 2017

2016

SELECT

RESEARCHER AND ORGANIZATION

Principal Investigator (PI) /
Project Leader: ?

(Last Name, First Name)

Use '%' for wildcard in PI names
Enter several PI/Project Leader names OR PI Profile IDs

Organization: ?

LOOKUP

Please enter at least 3 characters to use Lookup.

Contains Begins with Exact

Department Type: ?

SELECT

Organization Type: ?

SELECT

City: ?

Use '%' for wildcard

State: ?

SELECT

Country: ?

SELECT

Country: ?

SELECT

DUNS Number: ?

094878337

TEXT SEARCH

Text Search (Logic): ?

- And
 Or
 Advanced

Characters left: 2500

Search in ?

- Projects
 Publications
 News

Limit Project search to

- Project Title
 Project Terms
 Project Abstracts

Limit Publication search to

Start Year 2016
End Year 2017

PROJECT DETAILS

Project Number/
Application ID: ?

Format: 5R01CA012345-04/
8515397

Use '%' for wildcard in project number, e.g. %R21%

Enter multiple project numbers/application IDs

OR

Agency/Institute/Center: ?

Admin Funding

NCI, SELECT

NIH Spending Category: ?

SELECT

Funding Mechanism: ?

SELECT

Award Type: ?

SELECT

NCI awards – Search Results

Search Results

Back to Query Form Save Query Share Query

Export All Projects GO

PROJECTS PUBLICATIONS PATENTS CLINICAL STUDIES DATA & VISUALIZE MAP NEWS & MORE

There were 248 results matching your search criteria .

Records per page 100

Show/Hide Search Criteria

Click on the column header to sort the results

1 2 3

First Previous Page 2 of 3 Next Last

T: Application Type; Act: Activity Code; Project: Admin IC,Serial No.; Year: Support Year/Supplement/Amendment

	T	Act	Project	Year	Sub #	Project Title	Contact PI/ Project Leader	Organization	FY	Admin IC	Funding IC	FY Total Cost by IC	Similar Projects
<input type="checkbox"/>	5	R21	CA196468	02	LIVING TUMOR BIOPSIES TO INTERROGATE IMMUNE FUNCTION AND RESPONSE TO THERAPY	KRUMMEL, MATTHEW F	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	2016	NCI	NCI	\$197,333		
<input type="checkbox"/>	4	R01	CA166655	05	NOVEL HYPERPOLARIZED MR MARKERS OF ADVANCED PROSTATE CANCER THERAPY	KURHANEWICZ, JOHN et al.	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	2016	NCI	NCI	\$620,489		
<input type="checkbox"/>	1	K07	CA212057	01	OPTIMIZING LONG-TERM POST-POLYPECTOMY SURVEILLANCE FOR COLORECTAL CANCER PREVENTION USING A PREDICTION RULE DEVELOPED FROM A LARGE, COMMUNITY-BASED COHORT	LEE, JEFFREY KUANG ZOU	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	2016	NCI	NCI	\$177,057		
<input type="checkbox"/>	1	F32	CA203152	01	DISCOVERY OF IMMUNOTHERAPEUTIC BIOLOGICS AGAINST THE RAS-DRIVEN EXTRACELLULAR PROTEOME	LEE, PETER SUNG KEUN	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	2016	NCI	NCI	\$23,606		
<input type="checkbox"/>	4	U01	CA168878	05	EXTRACELLULAR SULFATASES AS NOVEL BIOMARKERS FOR EARLY DETECTION OF CANCER	LEMJABBAR-ALAOUI, HASSAN et al.	UNIVERSITY OF CALIFORNIA, SAN FRANCISCO	2016	NCI	NCI	\$429,514		

NCI awards – Export Results

BASIC **ALL**

Select options for export:

Format: CSV Excel

Columns to export:

All

- Project Description
 - NIH Spending Categorization
 - Project Abstract
 - Project Terms
 - Project Title
 - Public Health Relevance
- Project Details
 - Administering IC
 - Application ID
 - Award Notice Date
 - FOA
 - Project Number
 - Program Official Information
 - Project Start Date
 - Project End Date
 - Study Section

CSV Excel

- Project Description
- Project Details
- Personnel
 - Contact PI Person ID
 - Contact PI / Project Leader
 - Other PI or Project Leader(s)
- Funded Organization
- Project Funding
 - ARRA Indicator
 - Budget Start Date
 - Budget End Date
 - CFDA Code
 - Funding Mechanism
 - Fiscal Year
 - Total Cost
 - By Funding IC(s)
 - FY Direct / Indirect Costs

Projects to download: All

Export Search Criteria:

NCI awards – Data Clean-up in Excel File

- P30 CCSG and its supplements
- All grants administered by other NIH Institutes (if co-funded with NCI, they will be included in the RCDC Cancer Category in other NIH search)
- HHS contacts
- Terminated awards
- Infrastructure and Instrumentation-type awards

- Sum the Direct Costs for all eligible awards

Other NIH awards— Search Parameters

Since there is no FY17 budget yet, the FY16 RCDC Report is not released to the public. FY15 is used for educational purpose only.

SUBMIT QUERY CLEAR QUERY

Fiscal Year (FY): SELECT
Current FY is 2017

RESEARCHER AND ORGANIZATION

Principal Investigator (PI) / Project Leader: ,
(Last Name, First Name) Use '%' for wildcard in PI names
[Enter several PI/Project Leader names OR PI Profile IDs](#)

Organization: LOOKUP
Please enter at least 3 characters to use Lookup.
 Contains Begins with Exact

Department Type: SELECT

Organization Type: SELECT

City: Use '%' for wildcard

State: SELECT

Country: SELECT

DUNS Number:

TEXT SEARCH

Text Search (Logic):

And
 Or
 Advanced

Characters left: 2500

Search in Projects Publications News

Limit Project search to Project Title Project Terms Project Abstracts

Limit Publication search to Start Year End Year

PROJECT DETAILS

Project Number/ Application ID:
Format: 5R01CA012345-04/8515397 Use '%' for wildcard in project number, e.g. %R21%
[Enter multiple project numbers/application IDs](#)

OR

1 R01 CA 811099 01 A1S1

Program Officer (PO): ,
(Last Name, First Name) Use '%' for wildcard

Project Start Date: >=
Format: mm/dd/yyyy

Project End Date: <=
Format: mm/dd/yyyy

Award Notice Date: >
Format: mm/dd/yyyy

Agency/Institute/Center: SELECT
 Admin Funding

NIH Spending Category: CLOSE

- Brain Disorders
- Breast Cancer
- Burden of Illness
- Cancer
- Cardiovascular
- Cannabinoid Research
- Cerebral Palsy
- Cervical Cancer
- Charcot-Marie Tooth Disease
- Child Abuse and Neglect Research
- Childhood Leukemia
- Chronic Fatigue Syndrome (ME/CFSS)
- Chronic Liver Disease and Cirrhosis

Combine multiple categories with: OR AND

SELECT RESET CLEAR

Other NIH awards – Data Clean-up in Excel File

- All NCI grants
- HHS contacts
- Terminated awards
- Infrastructure and Instrumentation-type awards
- If a multi-project award, the RCDC category is assigned to each subproject, but not the parent grant

- Sum the Direct Costs for all eligible awards

RFI on Subwards (Received and Contracted Out)

- Multi-project NIH grants:
 - A list of multi-project NIH grants (P01, SPORE, etc.) that your Center held in a given FY in which subprojects are contracted out to other institutions.
 - A list of all subprojects of multi-project NIH grants which you receive from other institutions
- Official NIH Multi-PI grants:
 - A list of all official NIH Multi-PI awards to your Center that you subcontract to PIs in other institutions
 - A list of all subcontracts of official NIH Multi-PI awards received from other institutions
- After receiving, information is verified and values are re-adjusted

Competing CCSG Budget Calculation

- In FY16, the institution received \$68 700 455 (DC) in eligible NIH cancer-relevant funding

- With formula:

Eligible Funding Increments (in \$M, DC)			
First 20M	15%	\$3 000 000	
20-30M	7.5%	\$750 000	
30-50M	5%	\$1 000 000	
Above 50M (= \$18 700 455)	2.5%	\$467 511	
Max T2 CCSG eligibility			\$5 217 511

- FY16 CCSG was \$4 602 452
- Δ \$615 059 or 13.4% over the current CCSG

Priority Score *versus* Ultimate CCSG Award

- \$615 059 or 13.4% over the current CCSG

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38	-20%	48	
39	-20%	49	



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