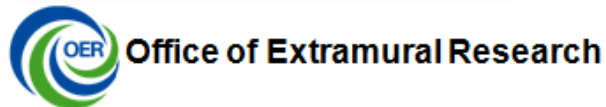


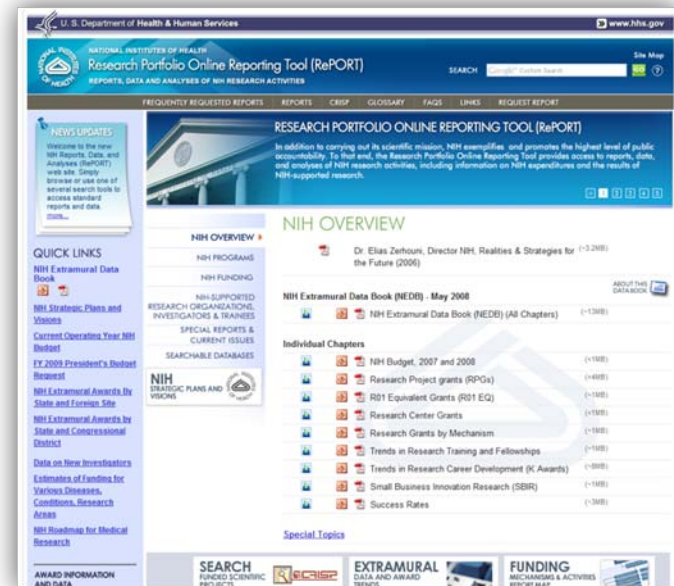


NIH REPORTS

Division of Program Coordination, Planning, and Strategic Initiatives (DPCPSI)



**Council of Councils
November 20, 2008**



**Access to NIH Research Results
Transparency
Accountability
And Public Confidence**



NIH REPORTING

<http://RePORT.NIH.GOV>



RESEARCH PORTFOLIO ONLINE REPORTING TOOL (RePORT)

In addition to carrying out its scientific mission, NIH exemplifies and promotes the highest level of public accountability. To that end, the Research Portfolio Online Reporting Tool provides access to reports, data, and analyses of NIH research activities, including information on NIH expenditures and the results of NIH-supported research.

REPORTS, DATA AND ANALYSES OF NIH RESEARCH ACTIVITIES

To provide NIH stakeholders with quick and easy access to basic information on NIH programs, the NIH has created a single repository of reports, data, and analyses, along with several tools for searching this database. A common classification scheme based on the traditional NIH budget categories is used to group similar reports. Several different filters can be applied to find information specific to a particular NIH Institute or Center, funding mechanism, or topic of interest.

NIH EXTRAMURAL DATA BOOK

The NIH Extramural Data Book (NEDB) provides basic summary statistics on extramural grants and contract awards, grant applications, the organizations that NIH supports, the scientific workforce, and trainees and fellows supported through NIH programs. Tables and charts are provided in a variety of formats, including PowerPoint (PPT) slides and Portable Document Format (PDF) files.

BIENNIAL REPORT OF THE DIRECTOR, NATIONAL INSTITUTES OF HEALTH: FISCAL YEARS 2006 & 2007

The NIH Biennial Report, mandated by the NIH Reform Act of 2006, provides an assessment of the state of biomedical and behavioral research, a portrait of NIH research activities (integrated across all 27 Institutes and Centers), some key research approaches and resources used in NIH research, and a review of those NIH Centers of Excellence that have been established by statutory mandate.

Estimates of Funding for Various Research, Condition, and Disease Categorization (RCDC)

The NIH recognizes the importance of keeping the American people informed about how their tax dollars are spent to support medical research. In 2009, the NIH will unveil the Research, Condition, and Disease Categorization (RCDC) system. RCDC will provide consistent and transparent information to the public about NIH research. With this new computer-based tool, the public will see NIH's research activities broken down into 213 categories each fiscal year.

RePORT EXPENDITURES AND RESULTS (RePORTER)

The NIH RePORT Expenditures and Results (RePORTER) site retains all of the search capabilities of the CRISP system it replaces. In Spring 2009, these capabilities will be enhanced with new ways to search, results (publications and patents) of both intramural and extramural projects, and links to related information in other databases such as the National Library of Medicine's PubMed.

- Increase access to information about NIH and the research it supports
- Increase transparency of the information generation and publishing process
- Maximize impact by leveraging information technologies when possible
- Standardize reporting across NIH Institutes and Centers
- Improve reliability and consistency of reports
- Establish linkages between disparate pieces of information
- Speed up the reporting process

MEETING THOSE GOALS

EXTRAMURAL DATA AND AWARD TRENDS



RESEARCH PORTFOLIO ONLINE REPORTING TOOL (RePORT)

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FUNDING MECHANISMS & ACTIVITIES REPORT MAP



NIH EXTRAMURAL DATA BOOK

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NIH STRATEGIC PLANS AND VISIONS



BIENNIAL REPORT OF THE DIRECTOR, NATIONAL INSTITUTES OF HEALTH FISCAL YEARS 2006 & 2007

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SEARCH FUNDED SCIENTIFIC PROJECTS



Estimates of Funding for Various Research, Condition, and Disease Categorization (RCDC)

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RePORT EXPENDITURES AND RESULTS (RePORTER)

The NIH RePORT Expenditures and Results (RePORTER) site retains all of the search capabilities of the CRISP system it replaces. In Spring 2009, these capabilities will be enhanced with new ways to search, results (publications and patents) of both intramural and extramural projects, and links to related information in other databases such as the National Library of Medicine's PubMed.

The NIH Reform Act of 2006:

Requires establishment of electronic system of uniformly coded research grants and activities

The electronic system shall:

- be searchable by a variety of codes such as grant type, IC, and public health area of interest
- provide information on relevant literature and patents that are associated with research activities of the National Institutes of Health

Requires a summary of research activities by disease (RCDC) area, including the actual dollar amounts obligated



CURRENT NIH REPORTING



U.S. Department of Health & Human Services

www.hhs.gov



National Institutes of Health

The Nation's Medical Research Agency

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Estimates of Funding for Various Diseases, Conditions, Research Areas

Quick Links

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[NIH Vodcast](#)
[News in Health newsletter](#)
[eColumn: NIH Research Matters](#)
[NIH Record](#)

Table Updated February 5, 2008

This table displays funding levels for various diseases, conditions, and research areas, based on actual grants, contracts, research conducted at NIH, and other mechanisms of support in FY 2004 through FY 2007. The FY 2008 and FY 2009 figures are estimates, and are based on the FY 2007 levels, and the FY2008 current rate level, and the FY 2009 Budget.

Important Notes: The current year (FY 2008) and budget year (FY 2009) dollar amounts provided represent NIH's best estimate on what will be funded for the categories. The figures provided are not allocated or set aside for these categories. The table is not additive. Funding included in one area may also be included in other areas. For example, Clinical Research includes Clinical Trials.

Research/Disease Areas	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
(Dollars in millions and rounded)	Actual	Actual	Actual	Actual	Estimate	Estimate
» Acute Respiratory Distress Syndrome	\$72	\$72	\$74	\$48	\$48	\$48
» Agent Orange & Dioxin	20	20	17	18	18	18
» Aging	2,343	2,415	2,431	2,462	2,461	2,461
» Alcoholism	503	512	511	521	521	521
» Allergic Rhinitis (Hay Fever)	2	3	4	5	5	5
						^top
» ALS	47	42	44	39	39	39
» Alzheimer's Disease	633	656	643	645	644	644
» American Indians / Alaska Natives	134	140	155	141	140	139
» Anorexia	12	14	15	12	12	12
» Anthrax	249	183	150	105	105	105
						^top
» Antimicrobial Resistance	203	217	221	269	269	269
» Aphasia	5	3	15	14	14	14
» Arctic	25	22	17	19	19	18
» Arthritis	374	368	355	339	339	337
» Assistive Technology	131	138	182	184	186	186
						^top
» Asthma	272	289	283	294	293	292
» Ataxia Telangiectasia	9	10	9	11	11	12
» Atherosclerosis	326	322	337	347	346	346
» Attention Deficit Disorder (ADD)	104	107	116	107	107	107
» Autism	188	188	188	187	188	188

<http://www.nih.gov/news/fundingresearchareas.htm>

Research, Condition, and Disease Categorization (RCDC) Project

- Every year, NIH reports to Congress and the public on how much it spends on research and disease areas
 - Approximately 215 categories submitted with the President's Budget
- Each institute and center defines a category as appropriate to its own mission
 - Few existing NIH-wide definitions
 - Categorization methods vary by Institute and Center
- Lack of uniformity across NIH's 27 Institutes and Centers

Scientific Opportunities and Public Needs: Improving Priority Setting and Public Input at the National Institutes of Health (1998)

Recommendation:

“NIH could approach the problem by being more systematic about deciding what to track and publish, using consistent definitions, deciding how much *‘related’* as well as *‘direct’* research should be included, keeping the statistics current, and ensuring quality control.”

http://www.nap.edu/catalog.php?record_id=6225

- Benefits of the new Research, Condition and Disease Categorization (RCDC) system:
 - Uniform
 - Single NIH-wide definition
 - Uniform process of accounting
 - Increased Transparency
 - Web-based summary, downloadable
 - Full list of projects with dollar amounts
 - Consistent methodology
 - Central database and information source to allow for improved reporting as well as future portfolio analysis activities
 - Designed to allow for continuous improvement

- RCDC Phase 1: Fiscal year 2008 (FY08) research
 - Inclusion of extramural research grants, intramural research projects, extramural research and development (R&D) contracts and Inter/Intra Agency Agreements
 - Reporting on 215 categories that the NIH has historically reported to Congress and the public
 - Project listings reported with dollar amounts available for download
 - Side-by-side comparison of fiscal year 2007 categorization data using old and new method will be available
 - Will include FY08 Actual, Estimates for FY09 and FY10

RCDC CHALLENGES MOVING FORWARD

- Some areas of science are not easily defined or described
 - Experts within a given area often disagree on the science
 - Continue communication and review of scientific areas
- Data inconsistency issues illuminated
 - Quality of data is variable across source databases
 - NIH-wide effort is underway to address and remove inconsistencies
- As with any automated system, false positives and false negatives will result
 - Continue to improve category fingerprints/concepts
 - Continue to research and integrate improved technologies
- Enhance and understand the continuum from basic research to disease specific research
 - The reported numbers will be different from the past
 - New methodology which includes new trans-NIH definitions

- Enhanced ability of the NIH to improve its reporting to the public and conduct portfolio analysis
- Greatly improved categorization process
 - Consistent methodology
 - Reproducible reporting
- Improved public understanding of NIH spending on research
 - Access to project listings not available previously



NATIONAL INSTITUTES OF HEALTH

Research Portfolio Online Reporting Tool (RePORT)

REPORTS, DATA AND ANALYSES OF NIH RESEARCH AND DEVELOPMENT ACTIVITIES

Site Map

SEARCH

GO

HOME

FREQUENTLY REQUESTED REPORTS

REPORTS

CRISP

GLOSSARY

FAQS

LINKS

REQUEST REPORT

SEARCH
FUNDED SCIENTIFIC
PROJECTS

QUICK LINKS

[NIH Extramural Data Book](#)[Current Operating Year NIH Budget](#)[FY 2009 President's Budget Request](#)[NIH Extramural Awards By State and Foreign Site](#)[NIH Extramural Awards by State and Congressional District](#)[Data on New Investigators](#)[Estimates of Funding for Various Diseases, Conditions, Research Areas](#)[NIH Roadmap for Medical Research](#)AWARD INFORMATION
AND DATA[Award Data for Individual Organizations](#)[Research Grant Award Data](#)[Award Trends](#)[Success Rates](#)[Training and Career Awards](#)Side-by-Side Comparison of NIH Research Dollars Spent in Fiscal Year 2007:
NIH Current Method and the New Research, Condition, and Disease
Categorization (RCDC) Reporting Tool

SEARCH

GO ?

EXPORT TO EXCEL



FONT SIZE



PRINT



DOWNLOAD READER



Research / Disease Areas ? (Dollars in millions and rounded)	FY2007 Current Method ? (as reported)	FY2007 RCDC Method ?	FY2008 Actual ?	FY2009 Estimate ?	FY2010 Estimate ?
>> Disease A	\$	\$	\$	\$	\$
>> Disease B	\$	\$	\$	\$	\$
>> Disease C	\$	\$	\$	\$	\$
>> Disease D	\$	\$	\$	\$	\$
>> Disease E	\$	\$	\$	\$	\$
>> Disease F	\$	\$	\$	\$	\$
>> Disease G	\$	\$	\$	\$	\$
>> Disease H	\$	\$	\$	\$	\$
>> Disease I	\$	\$	\$	\$	\$
>> Disease J	\$	\$	\$	\$	\$
>> Disease K	\$	\$	\$	\$	\$
>> Disease L	\$	\$	\$	\$	\$
>> Disease M	\$	\$	\$	\$	\$
>> Disease N	\$	\$	\$	\$	\$
>> Disease O	\$	\$	\$	\$	\$
>> Disease P	\$	\$	\$	\$	\$
>> Disease Q	\$	\$	\$	\$	\$
>> Disease R	\$	\$	\$	\$	\$
>> Disease S	\$	\$	\$	\$	\$
>> Disease T	\$	\$	\$	\$	\$
>> Disease U	\$	\$	\$	\$	\$
>> Disease V	\$	\$	\$	\$	\$
>> Disease W	\$	\$	\$	\$	\$
>> Disease X	\$	\$	\$	\$	\$
>> Disease Y	\$	\$	\$	\$	\$
>> Disease Z	\$	\$	\$	\$	\$



NATIONAL INSTITUTES OF HEALTH

Research Portfolio Online Reporting Tool (RePORT)

BETA WEBSITE

REPORTS, DATA AND ANALYSES OF NIH RESEARCH AND DEVELOPMENT ACTIVITIES

Site Map

SEARCH

Google Custom Search

GO ?

FREQUENTLY REQUESTED REPORTS

REPORTS

CRISP

GLOSSARY

FAQS

LINKS

REQUEST REPORT

THE RESEARCH, CONDITION, AND DISEASE CATEGORIZATION (RCDC) PROJECT AT THE NATIONAL INSTITUTES OF HEALTH



QUICK LINKS

Facts and figures on National Institutes of Health (NIH) Extramural Programs (Powerpoint - 11 MB)



[Current Operating Year NIH Budget, Fiscal Year 2007](#)

[FY 2008 President's Budget Request](#)

[NIH Extramural Awards By State and Foreign Site](#)

[NIH Extramural Awards by State and Congressional District](#)

[Research Grant Award Data](#)

[Training and Career Awards](#)

[Data on New Investigators](#)

[Estimates of Funding for Various Diseases, Conditions, Research Areas](#)

[Find Research on a Specific Disease or Condition](#)

[NIH Roadmap for Medical Research](#)

Project Listing by Category

E-MAIL THIS PAGE

Current Project Listing

☐ Category
 ☐ Project Number
 ☐ Contract Number
 Funding Mechanism: ALL
 FY: 2006
 IC: ALL
 Disease A

Contract
Grant
Intramural Project

SEARCH

EXPORT TO PDF

EXPORT TO EXCEL

PRINTER FRIENDLY FORMAT

AMOUNT TOTALS

Data current as of: 27-Jan-2009

240 Project Listing Records found. Displaying 1 of 29

<< Previous | 1 2 3 4 5 6 7 8 9 10 | Next >>

Category	IC	Project Number	Sub ID	Project Title	PI Name	Org Name	State	Amount
Disease A	IC 1	PN 1		Project Title A	PI 1	Org A	State A	\$ 00,000
Disease A	IC 2	PN 2		Project Title B	PI 2	Org B	State B	\$ 00,000
Disease A	IC 3	PN 3		Project Title C	PI 3	Org C	State C	\$ 00,000
Disease A	IC 4	PN 4		Project Title D	PI 4	Org D	State D	\$ 00,000
Disease A	IC 5	PN 5		Project Title E	PI 5	Org E	State E	\$ 00,000
Disease A	IC 6	PN 6		Project Title F	PI 6	Org F	State F	\$ 00,000

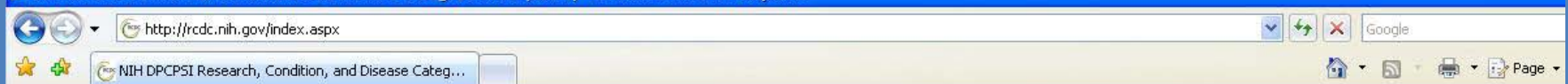
RCDC Review Working Groups

- Council of Council and other NIH Advisory Council members were formed to review the functionality and content of the RCDC categorization system and provide feedback
 - **Technical Review Working Group**
 - Assess whether technical aspects of system achieved goal of consistency and uniformity
 - **Public Review Working Group**
 - Provide feedback on RCDC plans for reporting categorization information to the public
- Due to unexpected accessibility issues and increased time commitment, it was decided that the working group process should be suspended at this time.



FOR MORE INFORMATION

NIH DPCPSI Research, Condition, and Disease Categorization (RCDC) - Windows Internet Explorer



Skip Navigation

U.S. Department of Health & Human Services

NATIONAL INSTITUTES OF HEALTH

Division of Program Coordination, Planning, and Strategic Initiatives (DPCPSI)

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RCDC

[OVERVIEW](#) | [FAQs](#) | [CATEGORIZATION PROCESS](#) | [UPDATE ON RCDC DATA](#) | [CONTACT RCDC](#)

QUICK LINKS

- > Division of Program Coordination, Planning, and Strategic Initiatives (DPCPSI)
- > Estimates of Funding for Various Diseases, Conditions, Research Areas
- > NIH Research Portfolio Online Reporting Tool (RePORT)

THE RESEARCH, CONDITION, AND DISEASE CATEGORIZATION (RCDC) PROJECT

Tracking NIH-funded Research.


INTRODUCING RCDC

The **National Institutes of Health (NIH)** is the Nation's main medical research agency. Funded by U.S. tax dollars, the NIH supports researchers throughout the country and around the world as they work to improve people's health.

The NIH recognizes the importance of keeping the American people informed about how their tax dollars are spent to support medical research. In 2009, the NIH will unveil the **Research, Condition, and Disease Categorization (RCDC)** system. RCDC will provide consistent and transparent information to the public about NIH research. With this new computer-based tool, the public will see NIH's research activities broken down into 215 categories each fiscal year. The categories cover research areas, diseases, and conditions. The new system will produce a complete list of all NIH-funded projects related to each category.

[MORE >>](#)


WHAT'S NEW?

 **RCDC OPEN HOUSE MEETINGS**

 **RECEIVE RCDC PUBLIC INFORMATION UPDATES**

Sign up to receive periodic updates on the rollout of the NIH RCDC system.

[Overview](#) | [FAQs](#) | [Categorization Process](#) | [Update on RCDC Data](#) | [Contact RCDC](#)
[Privacy Statement](#) | [Disclaimer](#) | [Cookies](#) | [Accessibility](#)

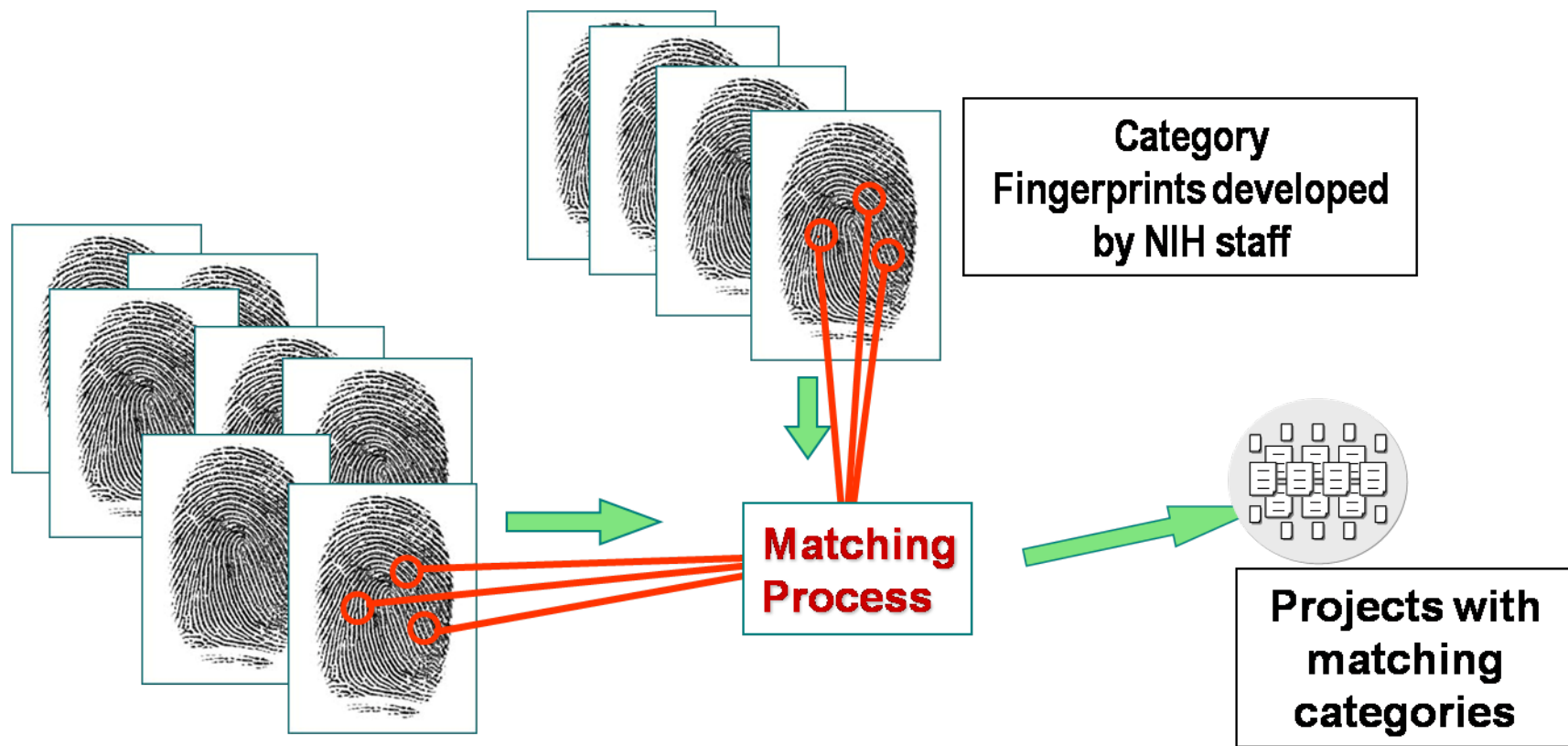
 **Get ADOBE® READER®**

Future: <http://report.nih.gov/RCDC/>

Background

IF Relevant Q's are Asked

How Does RCDC Work?



Project Fingerprints

Category
Fingerprints developed
by NIH staff

**Matching
Process**

Projects with
matching
categories

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

Category Fingerprint (CF) Creation in the New System

eRA - Modify DC - Windows Internet Explorer

http://rcdc.era.nih.gov/rcdc/modifyDc.do?function=init&dcId=12195

eRA - View Fingerprint eRA - Modify DC

RCDC Research, Condition, and Disease Categorization

RCDC

Home Fingerprint on the Fly Library Validity Test Reports Das

Create New FP Search for FP Work In Progress Category Visualization

2007 Fingerprint Definition [Lyme Disease] St

Black-legged Tick	100	X	+++++	!
Borrelia	100	X	+++++	!
Borrelia Burgdorferi	100	X	+++++	!
Borrelia Burgdorferi Group	100	X	+++++	!
Borrelia Burgdorferi Outer Surface Protein A	100	X	+++++	!
Borrelia Infections	100	X	+++++	!
Erythema Chronicum Migrans	100	X	+++++	!
Lyme Arthritis	100	X	+++++	!
Lyme Disease	100	X	+++++	!
Lyme Disease Encephalopathy	100	X	+++++	!
Lyme Disease Vaccines	100	X	+++++	!
Lyme Disease, Central Nervous System	100	X	+++++	!

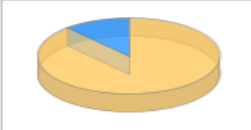
Threshold: 0.66

Analyze Reset

Add Concepts Add Boolean Concept

Statistics

Extramural Grants (G):	60
Intramural Projects (M):	8
Extramural Contracts (C):	0
Total:	68



In the new system a defined Category Definition is called a Fingerprint.

- A Fingerprint is a list of concepts from the thesaurus.
- Concepts are selected by NIH Scientific Experts to define that research category.
- Concepts can be weighted to fine-tune the system.
- The Category fingerprints are matched to the grant/project concepts to produce disease reporting.

Lyme Disease Draft Fingerprint

Analytical
Tool

eRA - Modify DC - Windows Internet Explorer

http://rcdc.era.nih.gov/rcdc/modifyDc.do?function=init&dcId=12195

RCDC Research, Condition, and Disease Categorization

Modify DC

Welcome pgaines

Log-out

RCDC

Home Fingerprint on the Fly Library Validity Test Reports Dashboard Admin Online 1688 Help

Create New FP Search for FP Work In Progress Category Visualization RCDC Thesaurus

2007 Fingerprint Definition [Lyme Disease]

Black-legged Tick 100 X ++++++ !

Borrelia 100 X ++++++ !

Borrelia Burgdorferi 100 X ++++++ !

Borrelia Burgdorferi Group 100 X ++++++ !

Borrelia Burgdorferi Outer Surface Protein A 100 X ++++++ !

Borrelia Infections 100 X ++++++ !

Erythema Chronicum Migrans 100 X ++++++ !

Lyme Arthritis 100 X ++++++ !

Lyme Disease 100 X ++++++ !

Lyme Disease Encephalopathy 100 X ++++++ !

Lyme Disease Vaccines 100 X ++++++ !

Lyme Disease, Central Nervous System 100 X ++++++ !

Threshold: 0.66

Analyze Reset

Add Concepts Add Boolean Concept

Statistics

Extramural Grants (G): 60

Intramural Projects (M): 8

Extramural Contracts (C): 0

Total: 68

Project Assignment

Project Filters Applicability

Merge Selected Projects Export to Excel

2006 2007 2008

Fingerprint analysis complete. Total projects Added: 0, Unchanged: 68, Removed: 0

68 Project records found, displaying all Project records.

Appl ID	Project Number	Sub ID	Project Title	Match Score	Mech	Category Continuation	Applicability
7243377	S R01A067746-02 PDF		Development of a polyvalent chimeric vaccine for Lyme disease	4.01	G	✓	
7269351	S R03AR054023-02 PDF		Virulence Determinants of the Lyme Disease Spirochete	3.89	G	✓	
7171881	S R01A062735-03 PDF		Tick polarized T-cell responses and Borrelia infection	3.37	G	✓	
7172334	S R37A049200-07 PDF		Tissue-specific Borrelia Gene Expression	3.15	G	✓	
7168821	S R01A059373-03 PDF		Outer membrane lipoproteins of Borrelia burgdorferi	3.14	G	✓	
7314067	1 R21A072144-01A1 PDF		Role of the Shk-Grr pathway in infection of the Lyme disease spirochete	3.07	G		
7282048	S R03A067315-02 PDF		Topical Antibiotics to Prevent	2.97	G	✓	

COLOR KEY: Added Projects Removed Projects

Query Form

Query Form

Search:

Font Size - +

Term Search:

☐ Search Using Project Terms ☐ Search Using CRISP ID's (Pre FY 2008 Only)Also Search: ☐ Abstract ☐ Project Title ☐ Public Health Relevance☒ Official NIH Category

All

Exact Term Match: ☒ Yes ☐ No

Fiscal Year:

Use Ctrl to select multiple

2008
2007
2006
2005
2004

PI Name:

Use '%' for wildcard

Award Type:

All

Project Number:

Use '%' for wildcard

Organization:

Use '%' for wildcard

IRG:

Use Ctrl to select multiple

All
02
ODIR
0EB
0GCS

Institutes & Centers:

Use Ctrl to select multiple

All
NIAAA - Alcohol Abuse & Alcoholism
NIA - Aging
NIAID - Allergy & Infectious Diseases
NIAMS - Arthritis & Musculoskeletal & Skin Diseases

Funding Mechanism:

All

Activity:

All

Project Title:

Use '%' for wildcard

State:

Use Ctrl to select multiple

All
Alabama
Alaska
Arizona
Arkansas

Search

Reset

6

[Link 1](#) | [Link 2](#) | [Link 3](#) | [Link 4](#) | [Link 5](#)

Query Construction Criteria page is where the user enters the parameters for which the search is run against. It can be as basic or as advanced as the user likes. The more parameters provided would result in a closer match results. Sections 7, 8, and 9 can be either expanded or collapsed.

1

1

RePorter Logo

4

Primary Navigation

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Site-wide breadcrumbs

2

Branded Header

5

Left/ Secondary Navigation

8

Quick Search

3

Site Search

6

Footer Navigation

9

Official NIH Category (Check+ To Show drop down)

Legend

Search Results

Search Results Hit List

HIT LIST

CHART

18 - Search Criteria Organization : Massachusetts Institute of Technology FY : 2003-2008

There were N hits for the search criteria selected

8 FY: Any IC: Any Filter Search Results

10 Records per Page N

11 << First Previous Page 1 of N Next Last >>

12 Project Number	PI Name	Project Title	IC	Organization	FY
SR01ES015339-02	YAFFE, MICHAEL	Protein Kinase Signaling and Cell Cycle Control	NIEHS	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2008
SR01EB004866-03	TEMKIN, RICHARD	Tunable 330 GHz Gyrotron for DNP/NMR	NIBIB	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2008
SF32GM076950-03	BREIER, ADAM	B. subtilis gene expression & replication	NIGMS	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2008
SR01DC001925-14	PERKELL, JOSEPH	Constraints and Strategies in Speech Production	NIDCD	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2008

6 [Link 1](#) | [Link 2](#) | [Link 3](#) | [Link 4](#) | [Link 5](#)

Query Results Hit List will show the closest results to the entered search criteria. The link of the Project Title will take the user to the Project details page. The link of the Project Number will take the user to the Project Related Information page. The link of the PI Name will show the PI Information of the selected PI. The link of the IC will show information for that chosen IC. The link of the Organization will show information for that chosen Organization. The Hit List can be sorted by selecting the table header and can also be filter further down by FY, IC, and Records Per Page. 2

1 Logo

2 Branded Header

3 Site Search

4 Primary Navigation

5 Left/ Secondary Navigation

6 Footer Navigation

7 Site-wide breadcrumbs

8 Hit list with links to search other Projects based on selected fields

9 Export to Excel, PDF

10 Filter Hit List Results

11 Navigation

12 Sort by Column Header

13 Link to Project Related Information

14 Link to PI Information

15 Link to Project Details

16 Link to IC Information

17 Link to Organization Information

18 Search Criteria

Legend

Search Results

Search Results Hit List: Related Charting

HIT LIST

CHART

Font Size - +



PDF



EXCEL

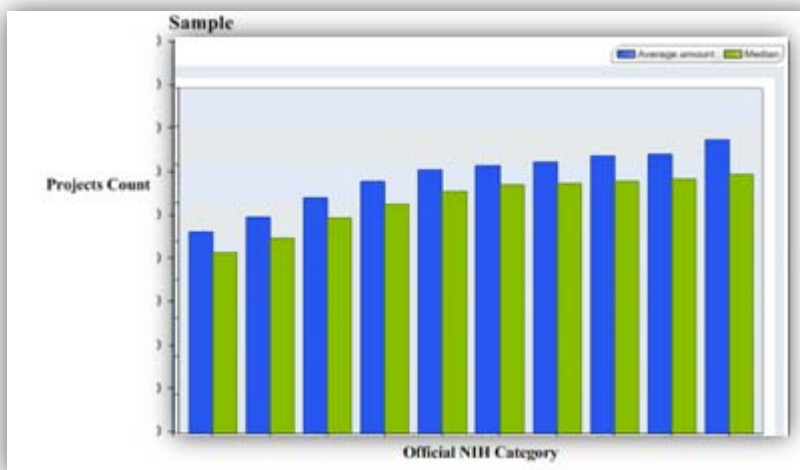


PRINT

8

Search Criteria

Organization : Massachusetts Institute of Technology FY : 2003-2008



6

[Link 1](#) | [Link 2](#) | [Link 3](#) | [Link 4](#) | [Link 5](#)

Query Results Hit list Chart page the information to be shown in the chart is yet TBD

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1 Logo

2 Branded Header

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7 Site-wide breadcrumbs

8 Search Criteria

Legend

Project Information

Project Information: General/Administrative

ADMINISTRATIVE

RESULTS

RELATED INFORMATION

Project Number: 5R01DC001925-02

Title: Constraints and Strategies in Speech Production

Principal Investigator (PI): PERKELL, JOSEPH.

Organization: MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Abstract Text:

The proposed research addresses hypotheses concerning the way speech movements are planned and executed. The hypotheses are guided by a computational model of the neural control of speech movements.

Public Health Relevance Statement:

Movements of this vocal-tract model are commanded by our neural control model for the same utterances

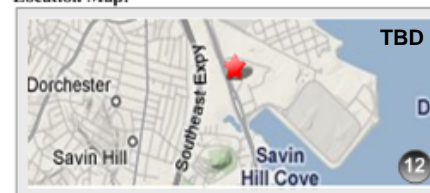
Official NIH Category:

Neurosciences

Project Terms:

biomechanics, neuromuscular system, psychomotor function, speech, jaw movement, lip, sound perception, tongue, vocal cord, vocalization, behavioral /social science research tag, clinical research, functional magnetic resonance imaging, human middle age (35-64), human subject, young adult human (21-34),

Location Map:



Contact PI Information:

Name: PERKELL, JOSEPH. Email: PERKELL@MIT.EDU Title: SENIOR RESEARCHER

Other PI Information:

Name: YAFFE, MICHAEL Email: myaffe@mit.edu Title: ASSOCIATE PROFESSOR

Organization:

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 MASSACHUSETTS AVE, CAMBRIDGE, MA 02139

Integrated Review Group: BBBP

Institutes and Centers: NATIONAL INSTITUTE ON DEAFNESS AND OTHER COMMUNICATION DISORDERS

FY: 2008

Start Date: 12/1/1993

End Date: 11/30/2008

[Link 1](#) | [Link 2](#) | [Link 3](#) | [Link 4](#) | [Link 5](#)

Project Details Administrative Page showing abstract, public health relevance, Official NIH Terms, PI Information

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8 Abstract Text Details

9 Public Health Statement Details

10 Project Terms

11 PI's Information

12 Map showing the Project location

13 Export to Excel, PDF

14 Organization Information

15 Official NIH Categories

Legend

Project Information

Project Information: Results

ADMINISTRATIVE

RESULTS

RELATED INFORMATION

Project Number: 5R01DC001925-02

PI: PERKELL, JOSEPH.

Title: Constraints and Strategies in Speech Production

Organization: MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Publications: 8

<< < First Previous Page 1 of N Next Last >>

Title	Date	Journal	Search Related Publications
p53-deficient cells rely on ATM- and ATR-mediated checkpoint	2007 Feb;11(2):175-89.	Cancer Cell	<input type="button" value="Google"/> <input type="button" value="PubMed"/>
14-3-3sigma controls mitotic translation to facilitate cytokinesis.	2007 Mar 15;446(7133):329-	Nature.	<input type="button" value="Google"/> <input type="button" value="PubMed"/>
Up-regulation of early growth response gene-1 via the CXC	2003 Jan 15;170(2):931-40.	J Immunol.	<input type="button" value="Google"/> <input type="button" value="PubMed"/>

SPIRES/PubMed/Other Sources

Publications from non-SPIRES data sources:

Title	Date	Journal
p53-deficient cells rely on ATM- and ATR-mediated checkpoint	2007 Feb;11(2):175-89.	Cancer Cell
14-3-3sigma controls mitotic translation to facilitate cytokinesis.	2007 Mar 15;446(7133):329-	Nature.

Search Google Scholar

10

GO

Patents: 9

<< < First Previous Page 1 of N Next Last >>

Patent Title	Search Related Patents
Cytotoxicity mediation of cells evidencing surface expression of TROP-2	<input type="button" value="Google"/>
Use of aryl hydrocarbon receptor ligand as a therapeutic intervention in angiogenesis-implicated disorders	<input type="button" value="Google"/>
2-substituted estra-1,3,5(10)-trien-17-ones as inhibitors of 17beta-hydroxy steroid dehydrogenase type 1	<input type="button" value="Google"/>
Laminin Receptor I Precursor Protein (37LRP) epitope delineated by an Hepatocellular carcinoma specific antibody	<input type="button" value="Google"/>

Extramural – iEdison
 Intramural – NIDB
 Link to USPTO data

Link
 USPTO

Search Google Patents

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GO

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Project Details Results Page showing the outcome of the Project in terms of resulting publications and patents

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7 Site-wide breadcrumbs
 Publications is one of the projects outcomes
 that will be shown on the Results page for each
 Project

8 Patents is the other outcome shown that will link to
 USPTO -- patents records details

10 Search Google Patents option

11 Search Google Scholar option

12 Export to Excel, PDF

Legend

Project Information

Project Related Information

ADMINISTRATIVE

RESULTS

RELATED INFORMATION

Project Number: 5R01DC001925-02

Title: Constraints and Strategies in Speech Production

PI: PERKELL, JOSEPH.

Organization: MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Project History: 8

<< < First Previous Page 1 of N Next Last >>

Project Number	PI Name	Project Title	FY	Organization
5R01DC001925-03	PERKELL, JOSEPH	Constraints and Strategies in Speech Production	2009	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
5R01DC001925-02	PERKELL, JOSEPH	Constraints and Strategies in Speech Production	2008	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
5R01DC001925-01	PERKELL, JOSEPH	Constraints and Strategies in Speech Production	2007	MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Sub Projects: 10

<< < First Previous Page 1 of N Next Last >>

Project Number	PI Name	Project Title	IC	Organization	FY
5R01ES015339-02	YAFFE, MICHAEL	Protein Kinase Signaling and Cell Cycle Control	NIEHS	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2008
5R01EB004866-03	TEMKIN, RICHARD	Tunable 330 GHz Gyrotron for DNP/NMR	NIBIB	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2008
5F32GM076950-03	BREIER, ADAM	B. subtilis gene expression & replication perturbation	NIGMS	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2008
5T32DC000038-17	BRAIDA, LOUIS	Training for Speech and Hearing Sciences	NIDCD	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2008

TBD - Other data available that is not presented else where or data available from other NIH/IC databases or systems - that can be integrated/displayed

Project Related Info Details Page showing Project History, related Projects based on Official NIH Category, and Sub Projects

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7 Site-wide breadcrumbs

8 Project History Details

9 Other Related Projects based on the Official NIH Category

10 Child Projects Details

11 Export to Excel, PDF

Legend

Principal Investigator Information

Principal Investigator (PI) Information

Name: PERKELL, JOSEPH.

Email: PERKELL@MIT.EDU

Title: SENIOR RESEARCHER

Address: MASSACHUSETTS INSTITUTE OF TECHNOLOGY, 77 MASSACHUSETTS AVE, CAMBRIDGE, MA 02139

Projects: 8

Project Number	Project Title	IC	Organization	FY
5F32GM076950-03	B. subtilis gene expression & replication perturbation	NIGMS	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2008
5R01EB004866-03	Tunable 330 GHz Gyrotron for DNP/NMR	NIBIB	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	2007

Publications: 9

Related to the Projects that the PI worked on and may not directly link to the PI

Title	Date	Journal	Search Related Publications
p53-deficient cells rely on ATM- and ATR-mediated checkpoint	2007 Feb;11(2):175-89.	Cancer Cell	<input type="button" value="Google"/> <input type="button" value="PubMed"/>
14-3-3sigma controls mitotic translation to facilitate cytokinesis.	2007 Mar 15;446(7133):329-32	Nature.	<input type="button" value="Google"/> <input type="button" value="PubMed"/>
Up-regulation of early growth response gene-1 via the CXC	2003 Jan 15;170(2):931-40.	J Immunol.	<input type="button" value="Google"/> <input type="button" value="PubMed"/>

[Recommend your favorite search engine](#)

Patents: 10

Related to the Projects that the PI worked on and may not directly link to the PI

Patent Title	Search Related Patents
Cytotoxicity mediation of cells evidencing surface expression of TROP-2	<input type="button" value="Google"/>
Use of aryl hydrocarbon receptor ligand as a therapeutic intervention in angiogenesis-implicated disorders	<input type="button" value="Google"/>
2-substituted estra-1,3,5(10)-trien-17-ones as inhibitors of 17beta-hydroxy steroid dehydrogenase type 1	<input type="button" value="Google"/>
Laminin Receptor 1 Precursor Protein (37LRP) epitope delineated by an Hepatocellular carcinoma specific antibody	<input type="button" value="Google"/>

Primary Investigator Page showing the Projects the PI is involved with and resulting research publications and patents

Ability for PI to contact for updating information on page will need to be provided

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8 Projects

9 Publications is one of the projects outcomes that will be shown on the Results page for each Project

10 Patents is the other outcome shown that will link to Google patents records details

11 Export to Excel, PDF

Institutes & Centers Information



Project Related IC Information

12 - Search Criteria Organization : Massachusetts Institute of Technology FY : 2003-2008

Name: National Cancer Institute

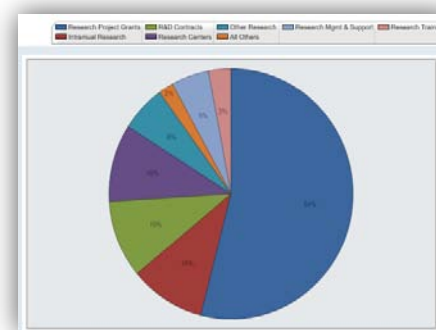
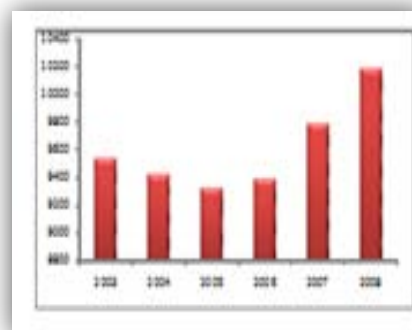
Director: John E. Niederhuber

Web site: <http://www.cancer.gov/>

Address: NCI Public Inquiries Office, 6116 Executive Boulevard, Room 3036A, Bethesda, MD 20892-8322

Summary

FY	Projects Count
2008	10189
2007	9789
2006	9373
2005	9324
2004	9414
2003	9529



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Institutes and Centers Details Results Page showing the IC Name, Director, web site and Projects summary counts by fiscal year

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8 IC Details

9 Projects summary counts by fiscal year

10 IC Logo

11 Export to Excel, PDF

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Organization Information

Project Organization Information - TBD

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- Search Criteria

Organization : Massachusetts Institute of Technology

FY : 2003-2008

Name: Massachusetts Institute of Technology

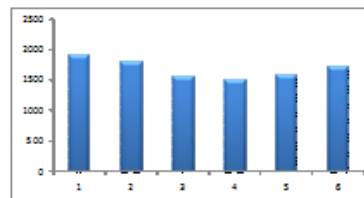
Address: 77 MASSACHUSETTS AVE, CAMBRIDGE, MA 02139

8

Summary

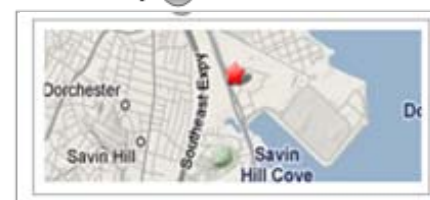
9

FY	Projects Count
2008	1739
2007	1599
2006	1520
2005	1550
2004	1806
2003	1923



Location Map:

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Clicking on link
Can provide hit list

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8 Organization Details

9 Projects Summary

10 Location Map

11 Export to Excel, PDF

12 Search Criteria

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