

DEPARTMENT OF HEALTH AND HUMAN SERVICES

NATIONAL INSTITUTES OF HEALTH

Common Fund/Roadmap

<u>FY 2007 Budget</u>	<u>Page No.</u>
Common Fund/Roadmap Mechanism Table.....	2
Common Fund/Roadmap by Initiative Table.....	3
Justification Narrative.....	4

NATIONAL INSTITUTES OF HEALTH  
Roadmap by Mechanism  
(Dollars in thousands)

Mechanism	FY 2005 Actual		FY 2006 Appropriation		FY 2007 Estimate	
	No.	Amount	No.	Amount	No.	Amount
Research Grants						
Research Projects						
Noncompeting	32	\$21,530	79	\$43,095	73	\$37,810
Administrative Supplements	(19)	3,630	3	112	(1)	80
Competing	127	33,062	58	15,608	87	21,396
Subtotal, RPGs	159	58,222	137	58,815	160	59,286
SBIR/STTR	0	0	0	0	0	0
Subtotal, RPG	159	58,222	137	58,815	100	59,286
Research Centers						
Specialized/Comprehensive	52	79,905	52	127,019	39	213,621
Clinical Research	0	0	0	0	0	0
Biotechnology	8	3,332	15	5,486	23	7,852
Comparative Medicine	0	0	0	0	0	0
Res. Centers in Minority Instit.	0	0	0	0	0	0
Subtotal, Centers	60	83,237	67	132,505	62	221,473
Other Research						
Research Careers	21	24,503	20	33,697	20	40,735
Cancer Education	0	0	0	0	0	0
Cooperative Clinical Research	0	0	0	0	0	0
Biomedical Research Support	0	0	0	0	0	0
Minority Biomed, Res. Support	0	0	0	0	0	0
Other	30	9,559	40	16,036	31	14,855
Subtotal, Other Research	51	34,062	60	49,733	51	55,590
Total Research Grants	270	175,521	264	241,053	273	336,349
Training:	FTTP		FTTP		FTIP	
Individual	0	0	0	0	0	0
Institutional	266	12,153	318	14,778	383	16,901
Total Training	266	12,153	318	14,778	383	16,901
Research & Develop. Contracts (SBIR/STTR)	17	24,596	21	41,354	51	56,511
Intramural Research		17,524		19,150		20,463
Res. Management & Support		9,922		13,127		12,449
Cancer Prevention & Control		0		0		0
Construction		0		0		0
TOTAL		239,716		329,462		442,673

Numbers or grants identified in **FY 2006** and **FY 2007** are estimates, and WILL change as applications are received and selected for funding.

**NATIONAL INSTITUTES OF HEALTH  
NIH Roadmap by Initiative**  
(dollars in thousands)

Title of Initiative	Lead Administrative ICs	FY 2005 Actual	FY 2006 Appropriation	FY 2007 Estimate
<b><i>New Pathways of Discovery</i></b>				
<b>Molecular Libraries and Imaging</b>				
Creation of NIH Bioactive Small Molecule Library & Screening Centers	NIMH, NHGRI	\$38,495	\$51,282	\$69,637
Cheminformatics	NHGRI, NLM	5,414	10,395	10,593
Technology Development	NIGMS, NINDS, NHGRI, NIBIB	14,885	21,184	26,075
Development of High-Specificity/High-Sensitivity Imaging Probes	NIGMS	5,336	5,115	5,316
Imaging Probe Database	NCI	500	409	534
Core Synthesis Facility to Produce Imaging Probes	NHLBI	1,980	3,000	3,000
<i>Subtotal, Molecular Libraries and Imaging</i>		<i>66,610</i>	<i>91,385</i>	<i>115,155</i>
<b>Building Blocks, Biological Pathways and Networks</b>				
National Technology Centers&Metabolomics Development	NIDDK, NCCR	14,946	15,494	16,098
Metabolomics Technology Development	NIDDK, NCCR	13,856	13,816	3,950
Standards and Reagents for Proteomics	NCCR, NIDDK, NHGRI	100	494	0
Assessment of Critical Reagents for Proteomics	NCCR, NHGRI	100	494	0
<i>Subtotal, Building Blocks, Biological Pathways and Networks</i>		<i>29,002</i>	<i>30,298</i>	<i>20,048</i>
<b>Structural Biology</b>				
Centers for Innovation in Membrane Protein Production	NIGMS	9,898	4,869	4,876
Membrane Protein Production and Structure Determination	NIGMS	0	5,000	5,000
<i>Subtotal, Structural Biology</i>		<i>9,898</i>	<i>9,869</i>	<i>9,876</i>
<b>Bioinformatics and Computational Biology</b>				
National Centers for Biomedical Computing	NIGMS	23,755	23,685	23,703
<b>Nanomedicine</b>				
Conceptual Planning for Nanomedicine Development Centers	NEI	0	0	0
Nanomedicine Development Centers	NEI	5,939	11,843	11,851
<i>Subtotal, Nanomedicine</i>		<i>5,939</i>	<i>11,843</i>	<i>11,851</i>
<b><i>Subtotal, New Pathways of Discovery</i></b>		<b><i>135,204</i></b>	<b><i>167,080</i></b>	<b><i>180,633</i></b>
<b><i>Research Teams of the Future</i></b>				
<b>Interdisciplinary Research</b>				
Interdisciplinary Research Centers	NCCR	12,365	11,499	39,945
Interdisciplinary Research Training Initiative	NIDDK, OBSSR, NIGMS	10,888	14,404	15,150
Innovation in Interdisciplinary Technology and Methods	OD/OBSSR	3,669	150	3,050
Removing Structural Barriers to Interdisciplinary Research	CSR OD/OER	0	0	0
Using the NIH Intramural Research Program as a Model for Research	OD/OIR	0	0	0
Interagency Conference on the Interface of Life Sciences and Physical Sciences	NIDCR	0	0	0
<i>Subtotal, Interdisciplinary Research</i>		<i>26,922</i>	<i>26,053</i>	<i>58,145</i>
<b>High-risk Research</b>				
NIH Director's Pioneer Awards	NIGMS	16,217	17,063	21,885
<b>Public-Private Partnerships</b>				
Designation of a Central Point of Contact	OD	0	444	450
High-Level Science Driven Partnership Meetings	OD	0	110	110
<i>Subtotal, Public Private Partnerships</i>		<i>0</i>	<i>554</i>	<i>560</i>
<b><i>Subtotal, Research Teams of the Future</i></b>		<b><i>43,139</i></b>	<b><i>43,670</i></b>	<b><i>80,590</i></b>
<b><i>Re-engineering the Clinical Research Enterprise</i></b>				
Clinical Research Policy Analysis and Coordination	OD/OSP	2,858	3,000	3,100
Feasibility of Integrating and Expanding Clinical Research Networks	NHLBI	18,543	31,434	34,614
Translational Research Core Services	NIDDK	1,315	5,600	8,200
Dynamic Assessment of Patient-Reported Chronic Disease Outcomes	NIAMS	6,319	6,200	6,200
Regional Translational Research Centers	NCCAM	108	0	0
Enhance Clinical Research Training via the National Multi-disciplinary CR Career Development Program and CRTP and MSTP Expansions	NICHD, OD/OIR, NICHD	31,498	1,425	1,400
Create a National Clinical Research Associates Program	NICHD	70	170	10,000
Clinical and Translational Science Awards	NICHD	0	70,402	117,936
<b><i>Subtotal, Re-engineering the Clinical Research Enterprise</i></b>		<b><i>60,711</i></b>	<b><i>118,231</i></b>	<b><i>181,450</i></b>
<b><i>Dedicated Roadmap Administration</i></b>		<i>662</i>	<i>481</i>	<i>0</i>
<b>Total Roadmap</b>		<b>239,716</b>	<b>329,462</b>	<b>442,673</b>

NATIONAL INSTITUTES OF HEALTH  
Roadmap Contributions by Institute and Center  
(Dollars in thousands)

Institutes and Centers	FY 2005 Actual	FY 2006 Appropriation	FY 2007 Estimate
NCI	530,505	542,834	\$57,382
NHLBI	18,594	26,109	35,019
NIDCR	2,477	3,479	4,661
NIDDK	10,833	15,236	20,452
NINDS	9,732	13,715	18,406
NIAID	27,208	38,567	51,852
NIGMS	12,290	17,297	23,219
NIHCHD	8,031	11,302	15,179
NEI	4,230	5,958	7,983
NIEHS	4,075	5,729	7,693
NIA	6,651	9,353	12,552
NIAMS	3,231	4,539	6,090
NIDCD	2,492	3,516	4,727
NIMH	8,926	12,542	16,837
NIDA	6,363	8,937	12,009
NIAAA	2,771	3,896	5,231
NINR	873	1,227	1,648
NHGRI	3,089	4,343	5,830
NIBIB	1,885	2,652	3,559
NCRR	7,050	9,822	13,257
NCCAM	772	1,086	1,455
NCMHD	1,240	1,746	2,345
FIC	421	593	805
NLM	1,992	2,814	3,782
Subtotal ICs	175,731	247,292	331,973
OD DDF	63,985	82,170	110,700
Total Roadmap	239,716	329,462	442,673

Roadmap Initiatives are funded through a combination of funds appropriated to the Director's Discretionary Fund in the Office of the Director, and from contributions from the NIH Institutes and Centers (0.6% of their budgets in FY 2005, 0.9% of their budgets in FY 2006, and 1.2% in FY 2007).