



Richard Fisher, PhD
National Eye Institute

Developing a National Agenda for Vision Research

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Office Program Planning and Analysis
National Eye Institute
National Institutes of Health

Departments in the President's Cabinet

Health and Human Services
FY2012: \$886 Billion

NIH	31
CDC	7
FDA	3
CMS	778
ACF	51

15 Departments:

Agriculture
Commerce
Defense
Education
Energy
Health and Human Services
Homeland Security
Housing and Urban Devel.
Interior
Justice
Labor
State
Transportation
Treasury
Veterans Affairs

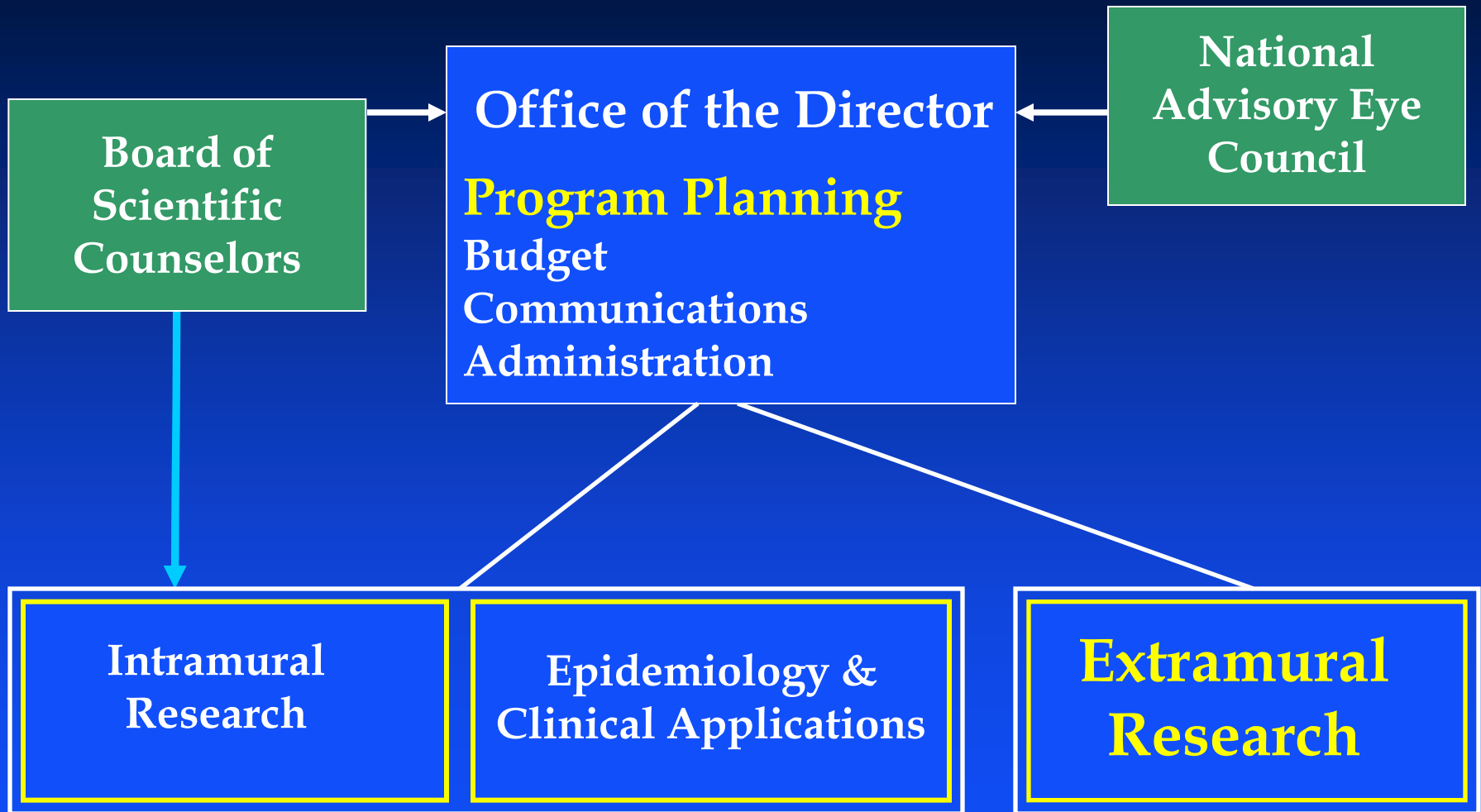
Budgets

Health and Human Services
FY2012: \$886 Billion

NIH:
FY2012: \$30,631,986

NEI:
FY2012: \$702,512,162

National Eye Institute

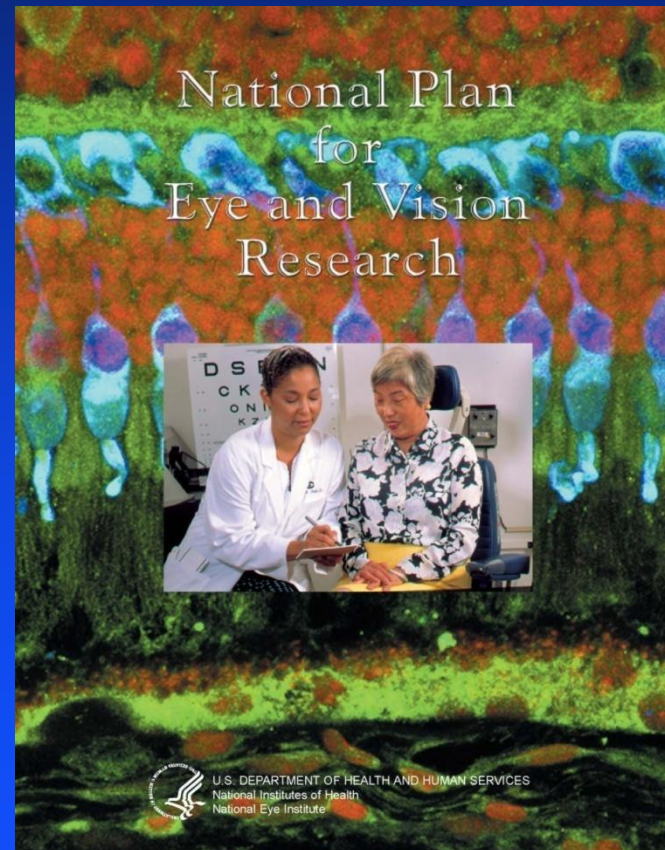


IRP ~ 10%

NEI Program Planning - History

NEI (Kupfer): 1973, 1978, 1983, 1988, 1994, 1999

NEI (Sieving): 2004





NATIONAL INSTITUTES OF HEALTH

Research Portfolio Online Reporting Tool (RePORT)

REPORTS, DATA AND ANALYSES OF NIH RESEARCH ACTIVITIES

Site Map

SEARCH

GO

HOME

FREQUENTLY REQUESTED REPORTS

REPORTS

CRISP

GLOSSARY

FAQs

LINKS

CONTACT US

Home > NIH Strategic Plans and Visions

NIH Strategic Plans and Visions

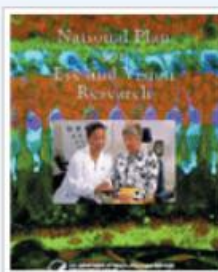
INSTITUTES AND CENTERS

NIH-WIDE

TOPICAL



[National Cancer Institute \(NCI\)](#)



[National Eye Institute \(NEI\)](#)



[National Heart, Lung, and Blood Institute \(NHLBI\)](#)



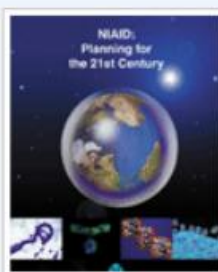
[National Human Genome Research Institute \(NHGRI\)](#)



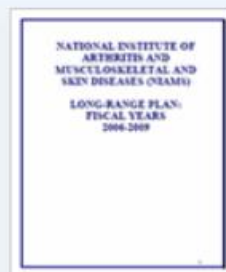
[National Institute on Aging \(NIA\)](#)



[National Institute on Alcohol Abuse and](#)



[National Institute of Allergy and Infectious Diseases](#)



[National Institute of Arthritis and](#)



[National Institute of Biomedical Imaging and](#)



[National Institute of Child Health and Human](#)

NEWS UPDATES

NIH Begins New Process to Report Detailed Funding Information - NIH made public the results of a new process for providing detailed funding information for 215 major areas of research. [more...](#)

RePORT TUTORIAL



BIENNIAL REPORT OF THE DIRECTOR



RESEARCH, CONDITION, AND DISEASE CATEGORIZATION (RCDC)



QUICK LINKS

[NIH Extramural Data Book](#)



[Current Operating Year NIH Budget](#)

[FY 2009 President's Budget Request](#)

NEI Program Planning 2011-12

- 1) Panel Reports
- 2) Audacious Goals
- 3) Implementation

Retinal Diseases

Corneal Diseases

Lens and Cataract

Glaucoma and Optic Neuropathies

Strabismus, Amblyopia, and Visual Processing

Low Vision and Blindness Rehabilitation

NEI Extramural Research Programs

Ocular Genetics

Ocular Infection, Inflammation, and Immunology

Myopia and Refractive Error

Ocular Pain

Collaborative Clinical Research

Research Training

Small Business Innovation Research (SBIR)

Retina

Cornea

Lens

Glaucoma

SAVP

Low Vision

NEI Program Planning 2011-12

Overarching Questions:

- Where are we today?
- What are the needs, gaps, and opportunities in vision research?

Our Aim:

Create a meaningful document to help the NEI identify scientific opportunities, fund the best science, properly direct resources, and attract and train the best and the brightest to vision research

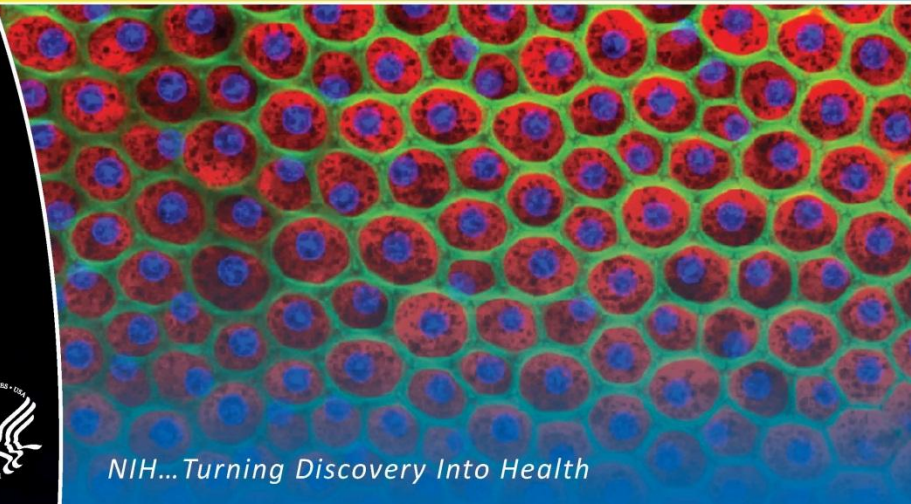
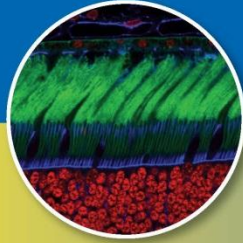
NEI Program Panels

Introduction

Highlights of recent progress

Needs, gaps, and opportunities

Vision Research: Needs, Gaps, and Opportunities



Soon
to be
Released

nei.nih.gov

National Advisory Eye Council

Recommendation: 3 Phases

- 1) Panel Reports – State-of-the-science and opportunities
- 2) Audacious Goals
- 3) Establish Priorities– Implementation

Phase 2 → Audacious Goals above and beyond

Vision Research: Needs, Gap, and Opportunities to convey the excitement of so many new possibilities

3 Phases

- 1) Panel Reports – State-of-the-science and opportunities
- 2) Audacious Goals
- 3) Priorities Established – Implementation

bold daring extremely original

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wi^ho^ut res^Tri^Tction to prior ideas

Phase 2: Purpose

Stimulate innovative thinking toward developing a National Vision Research Agenda.

Help set vision research priorities

Phase 2: Objectives

- Inclusive process
- engage the wide community of vision researchers and others beyond typical experienced NIH funded investigators
- Panel reports: springboard
- Fixed # Audacious Goals
- Winnowing from many ideas
- Transparent
- Energize the community with an exciting process!

Historical Examples

- 1993: Develop gene therapy to treat an inherited retinal degeneration to cure patients in less than 10 years.
- 1990: Develop imaging techniques to view the microscopic structures of a patient's eye in order to follow the course of disease in real time.
- 1986: DOE announced the Human Genome Initiative and with the NIH the HGP officially began in 1990.
- 1961: Man on the moon in 10 years

Overall Process

- Cast a wide net to capture ideas
- Widely publicize NEI Challenge
- 1-page Audacious Concept
- Concepts triaged, reviewed, and selected (<20)
- \$\$ Cash prize awarded to authors of selected concepts
- Discussed at an NEI Audacious Goals meeting
- Report: Most compelling AG with rationale
- AG published on NEI website with

Vision Research: Needs, Gaps and Opportunities

Timeline

Summer:	Public Release of Challenge
Fall:	Concept Competition Closes
December:	Audacious Concepts Selected
Feb-Mar 2013:	NEI Audacious Goals meeting
Spring 2013	Consideration by NAEC and Implementation

Questions?

nei.nih.gov



 **Prevent
Blindness
.America**
Our Vision Is Vision®

E
FP
RTZ
OPT
IP FCVDH
TRENMV
UYTRMSG
ASDWHJUO
RTYFD
PUTRD