

Alzheimer's Disease: NIH Update

Francis S. Collins, M.D., Ph.D.

Director, National Institutes of Health

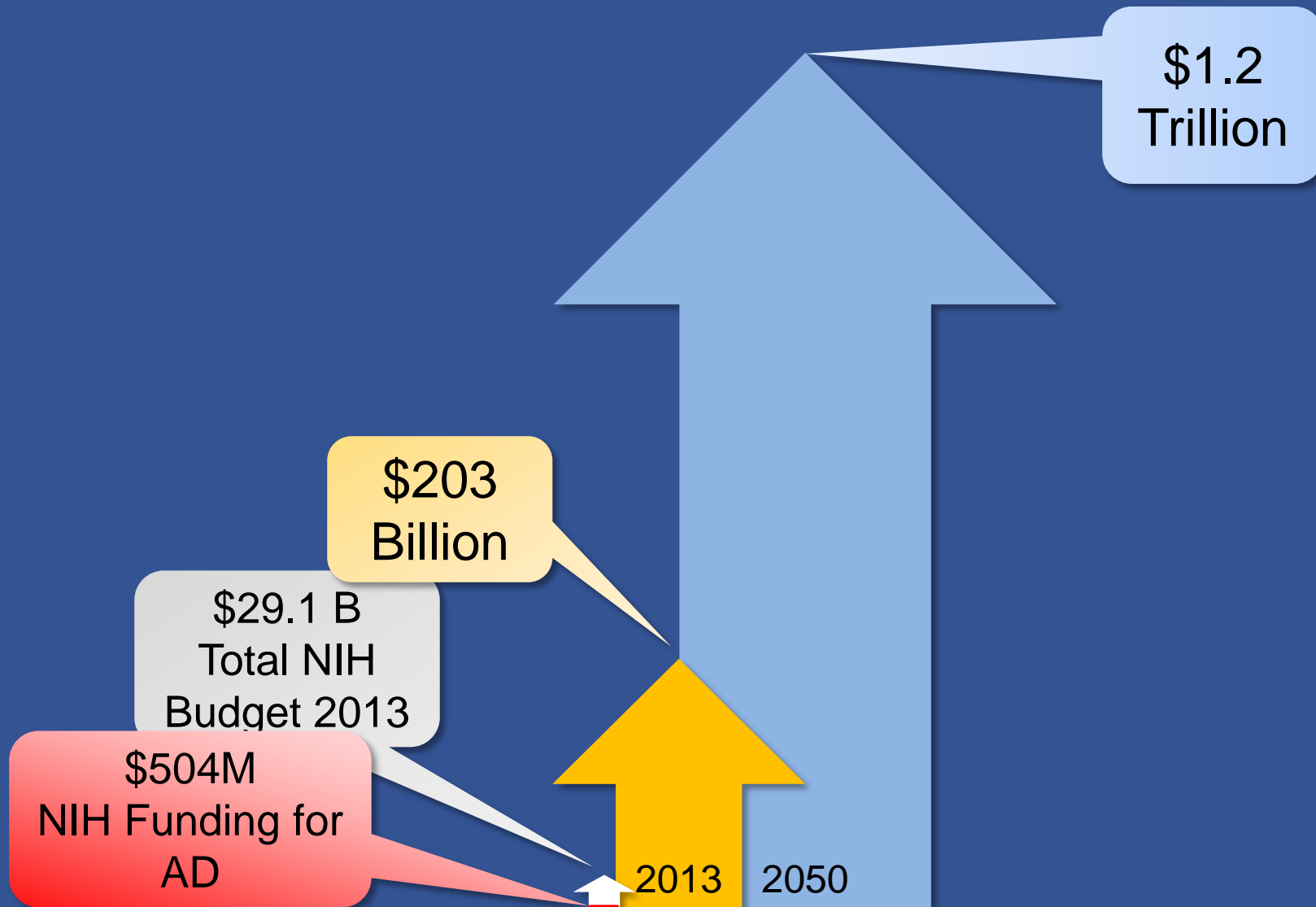
Senate Appropriations Subcommittee on Labor, HHS, Education

February 26, 2014





Costs of Alzheimer's Disease (AD) & Dementia Care



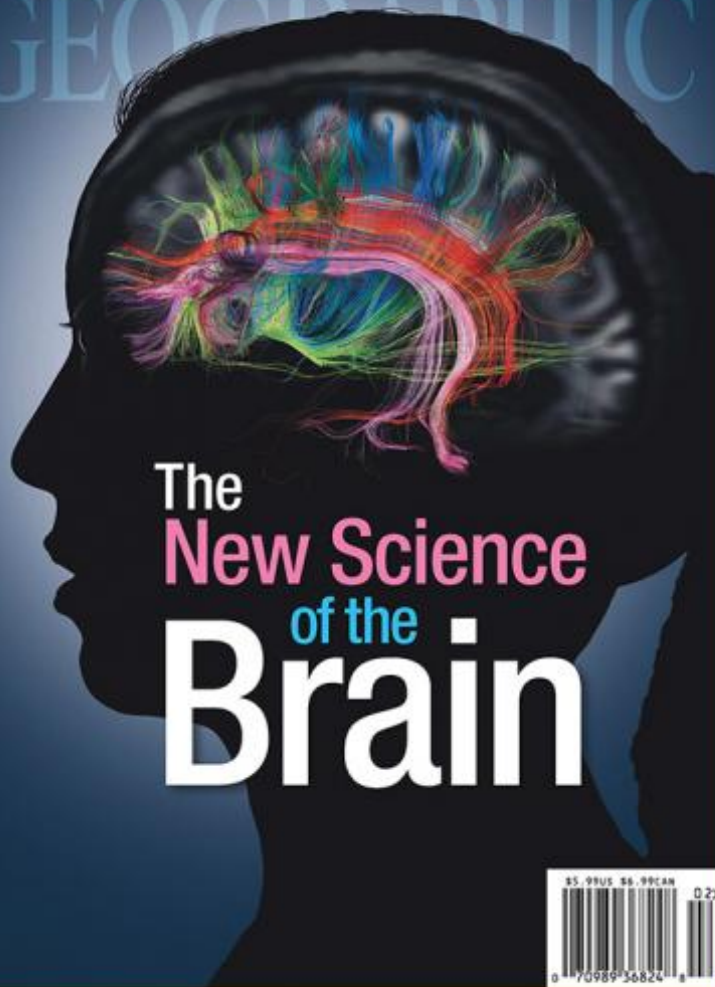
FREE
POSTER

THE GREAT
DOME OF
FLORENCE
ECOLOGY

GARRISON KEILLOR: MY HOMETOWN

NGM.COM FEBRUARY 2014

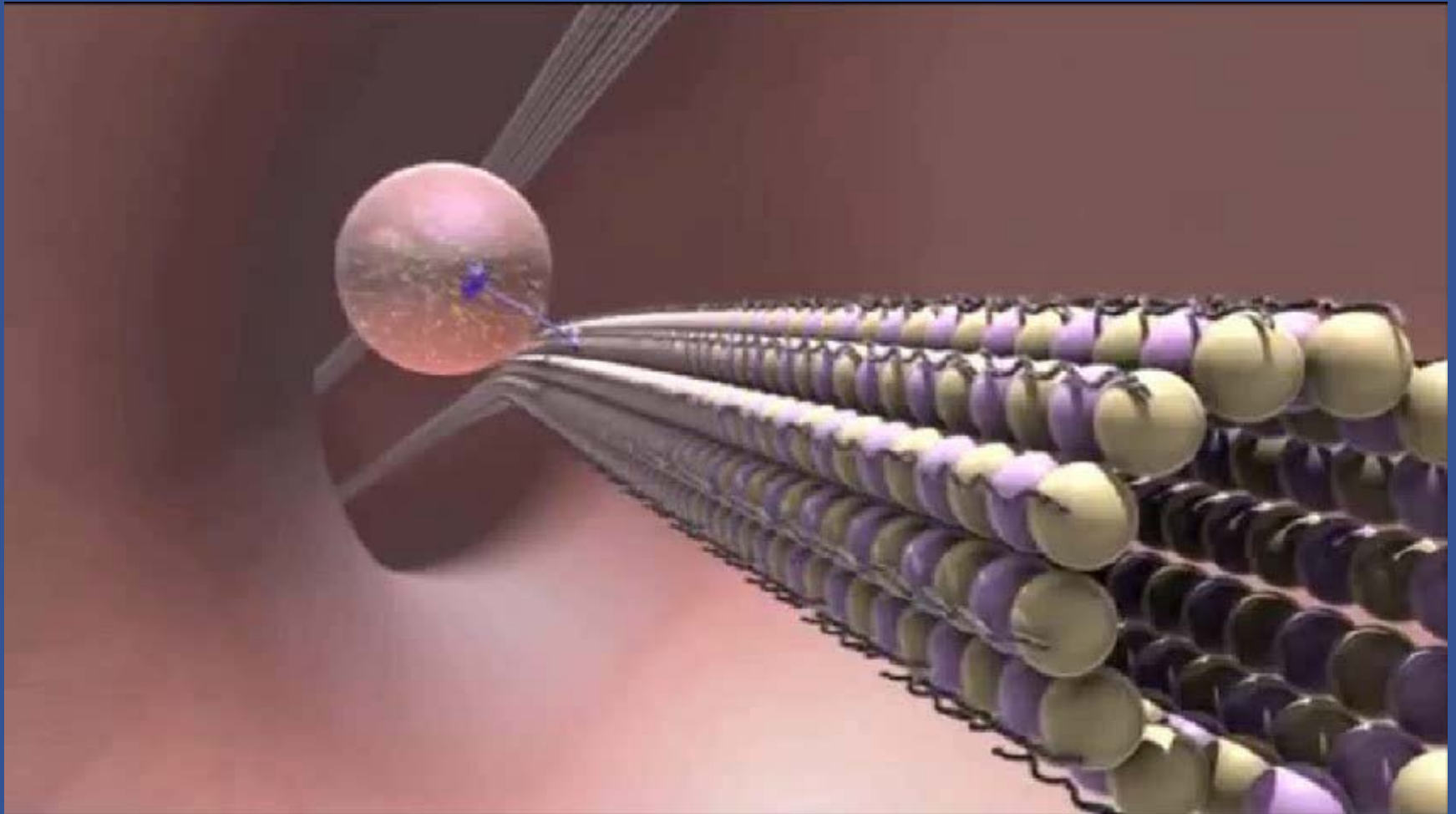
NATIONAL
GEOGRAPHIC



The
New Science
of the
Brain

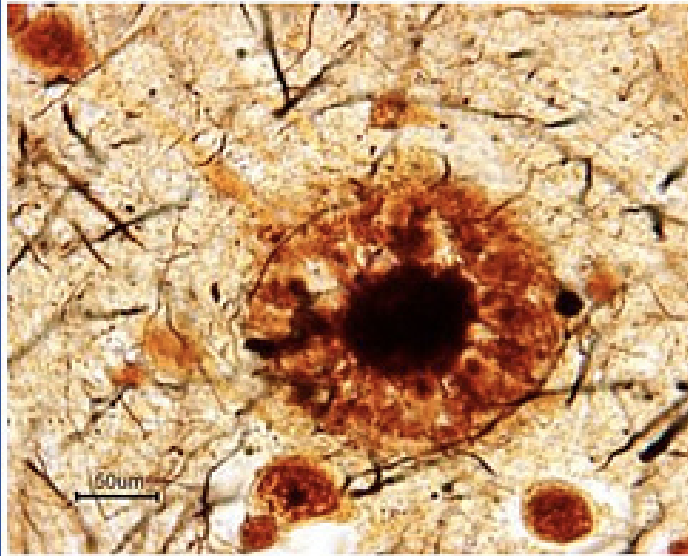


Role of Tau Protein in AD



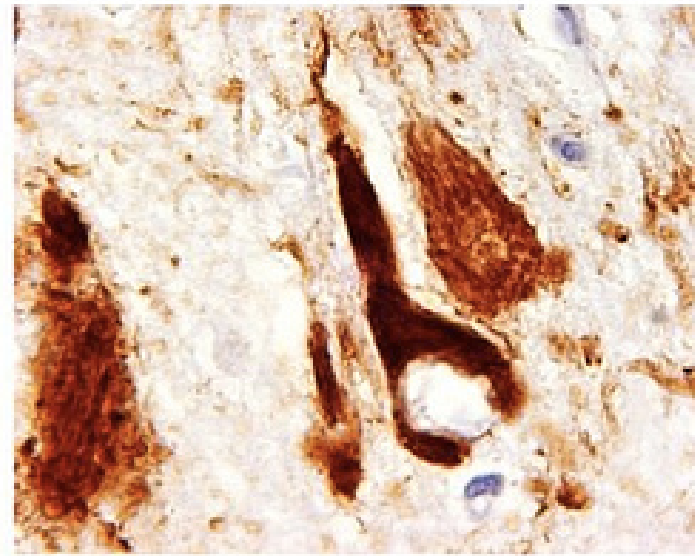
Diagnosing AD: Past

Plaques



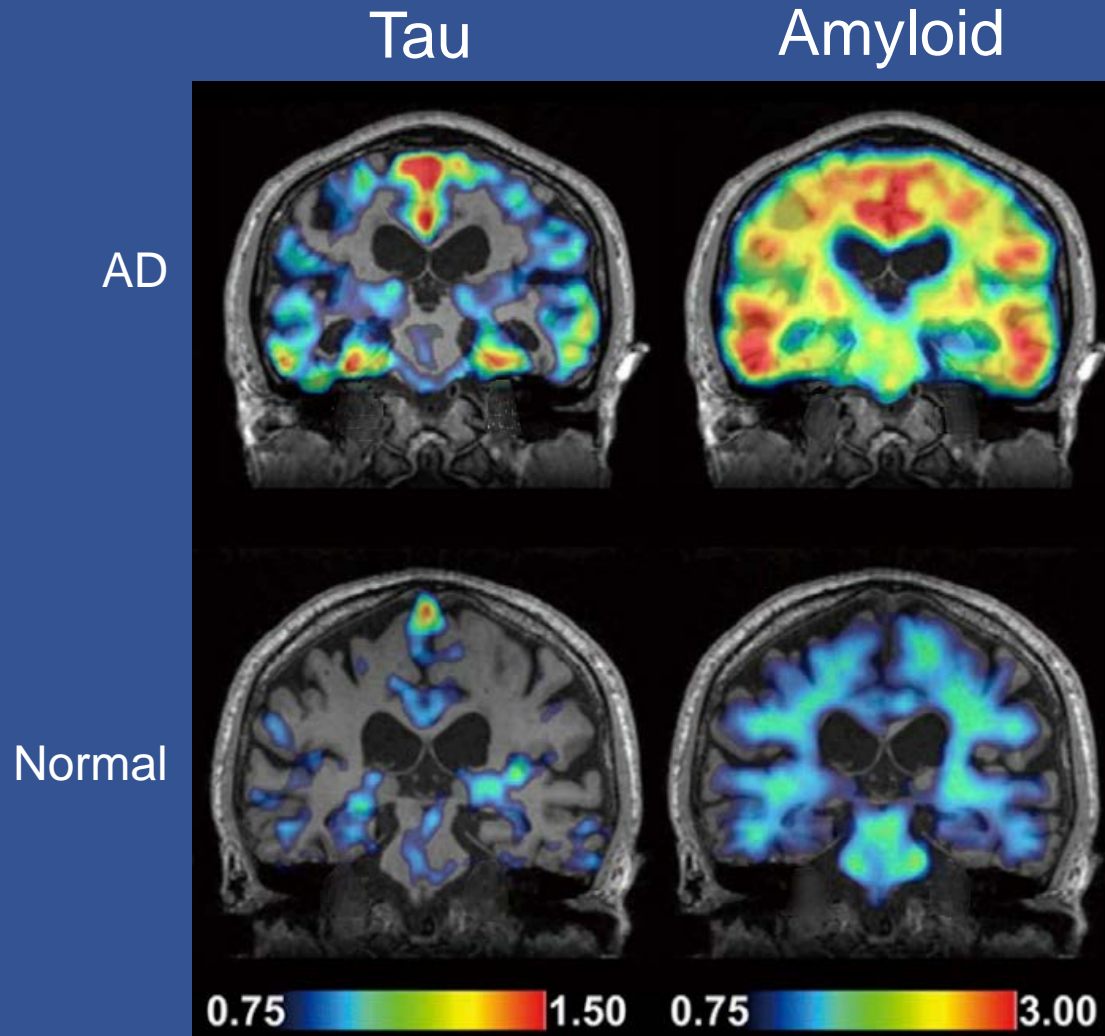
Amyloid

Neurofibrillary Tangles



Tau

Diagnosing AD: The Future



Clinical Trials

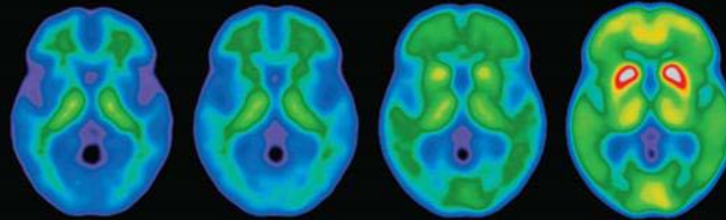




Science

17 AUGUST 2012 VOL 337

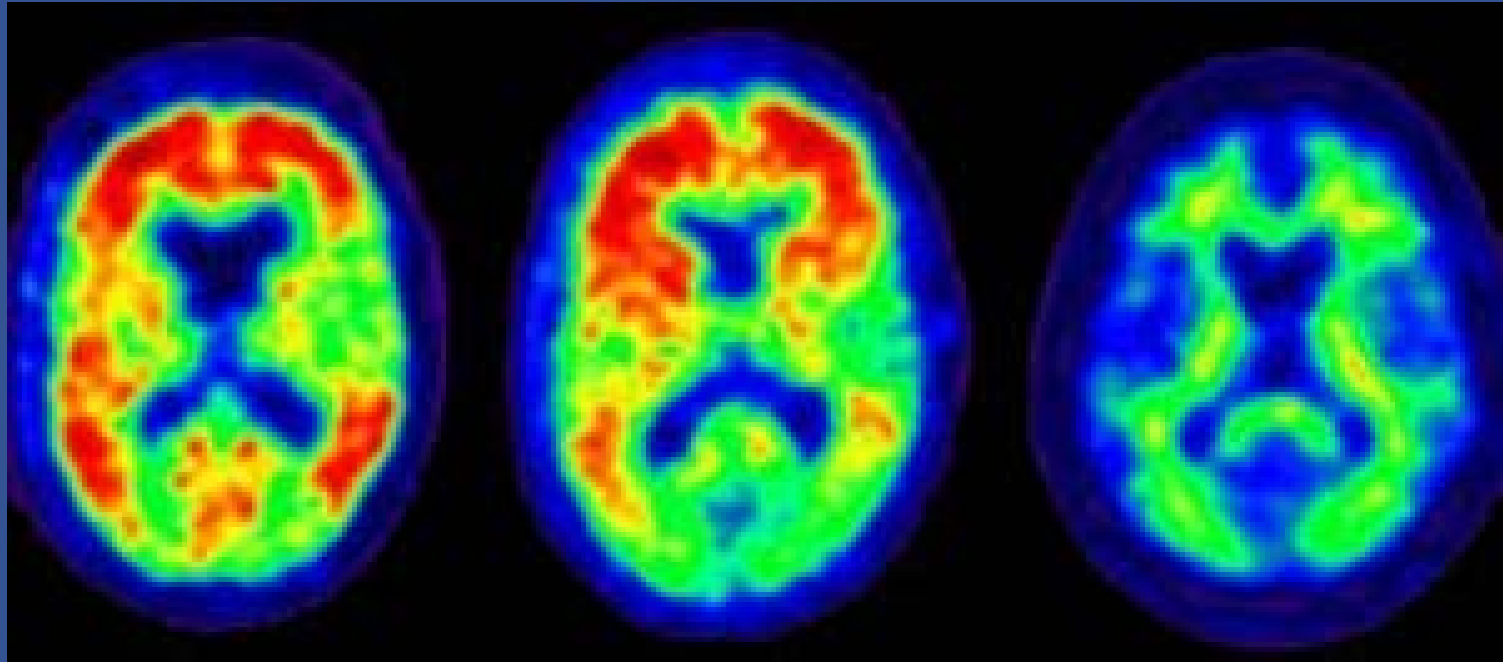
NEWSFOCUS



Stopping Alzheimer's Before It Starts



Anti-Amyloid Treatment in Asymptomatic Alzheimer's Trial



Alzheimer's
Disease

Normal
Amyloid positive

Normal
Amyloid negative

Accelerating Medicines Partnership (AMP)

THE WALL STREET JOURNAL. U.S.

U.S. NEWS

Drug Companies Join NIH in Study of Alzheimer's, Diabetes, Rheumatoid Arthritis, Lupus

Ten Drug Companies Form Pact With NIH to Find Paths to New Medicines

By MONICA LANGLEY and JONATHAN D. ROCKOFF
Feb. 3, 2014 11:00 p.m. ET

 **USA TODAY**
A GANNETT COMPANY

NEWS SPORTS LIFE MONEY TECH TRAVEL OPINION

Ten rival drug companies partner with government

Liz Szabo, USA TODAY 6:01 p.m. EST February 4, 2014

Rival drug companies plan to collaborate on research against key diseases.



(Photo: Jack Gruber, USA TODAY)

In an unprecedented move designed to jump-start medical science, 10 rival drug companies that normally compete ferociously against each other will now cooperate not just with government researchers and non-profits, but with each other.

The White House
Office of the Press Secretary

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For Immediate Release

February 04, 2014

Statement by the President on the Accelerating Medicines Partnership

Today, my Administration is taking action to accelerate the development of life-saving drugs and to help identify new treatments and cures for diseases like Alzheimer's and diabetes. This new public-private partnership – the Accelerating Medicines Partnership – combines the considerable resources of America's government with the innovation of our private sector companies in an effort to find new answers to today's domestic and global public health challenges.

The Washington Post PostTV Politics Opinions Local Sports National

Health & Science

NIH announces novel venture with drug companies to fight major diseases

By Ariana Eunjung Cha, Published: February 4



February 4th, 2014
02:41 PM ET

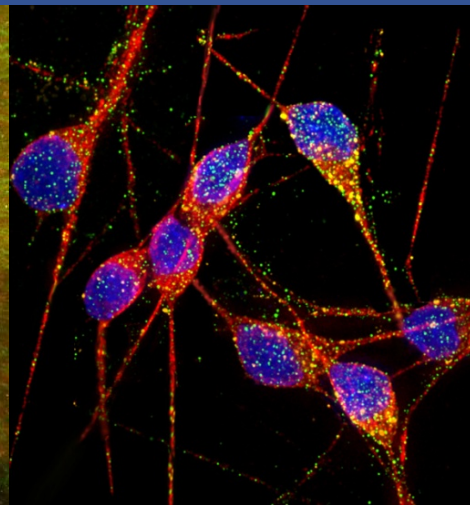
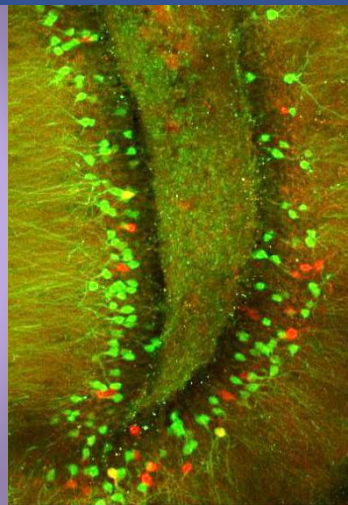
NIH, drug companies team up to target diseases

The National Institutes of Health is partnering with researchers from 10 rival drug companies and several nonprofit organizations to develop new and earlier treatments for diseases including diabetes, Alzheimer's and lupus.

The partnership, announced Tuesday by NIH director Dr. Francis Collins, "could change the way scientific research is conducted."

Opportunities for FY2014

- Genetic Analysis
- Optogenetics
- Induced Pluripotent Stem (iPS) Cells
- Translational Centers





“As I write these words, a faint glow of light fills the room I share with Harvey. He is always present, even though he is absent. The person I knew is lost, but not gone.”

Meryl Comer
AD Caregiver & Advocate



NIH...

Turning Discovery Into Health

