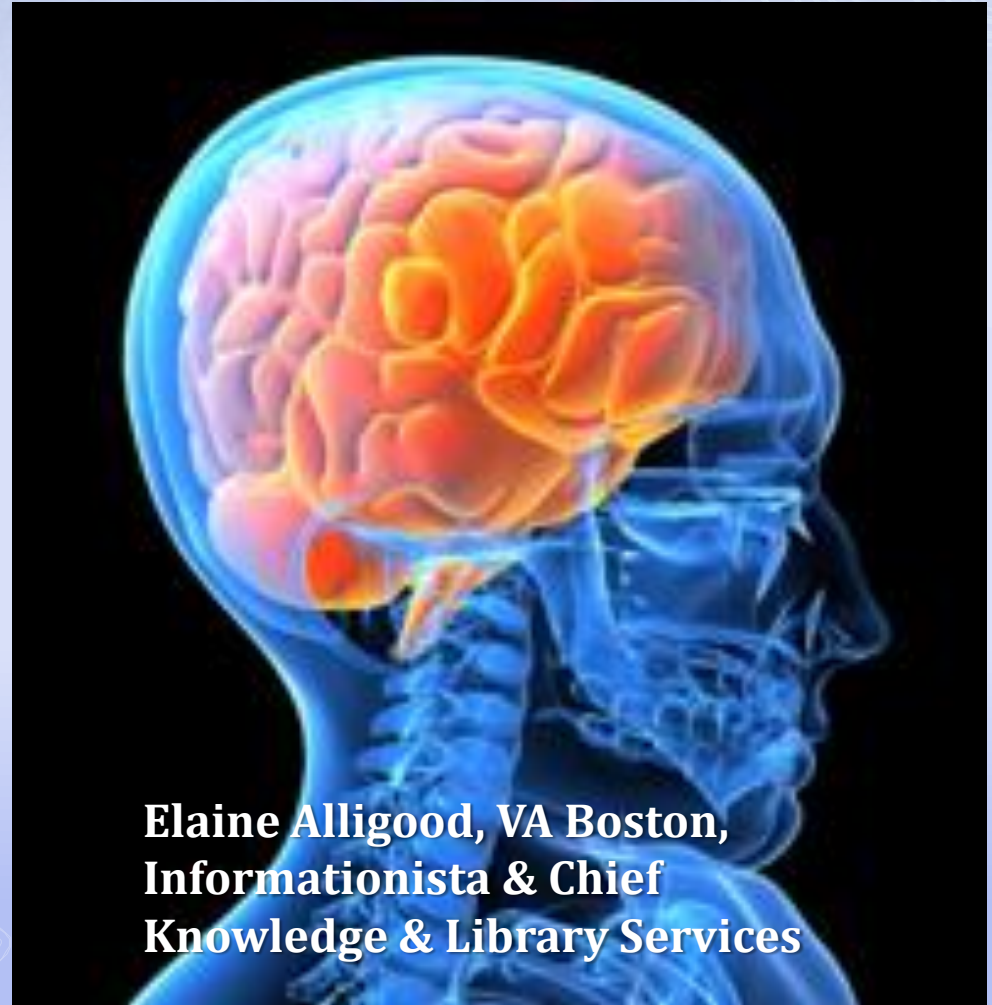
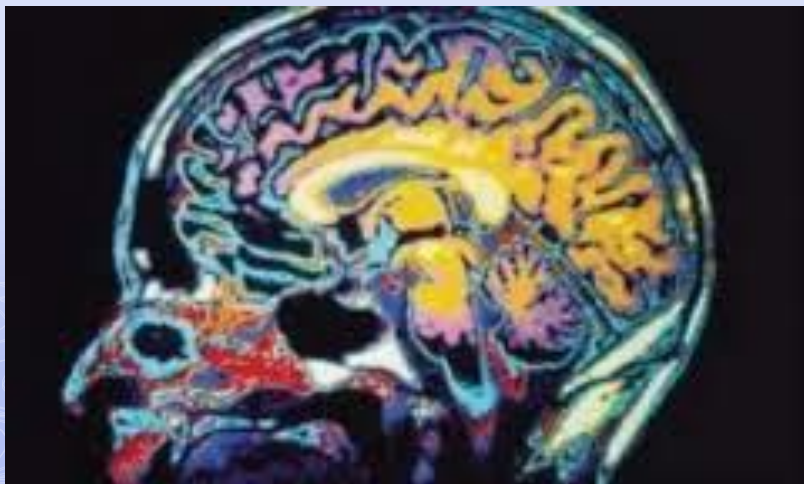


Disease Focused Research Built on Basic Research



**Elaine Alligood, VA Boston,
Informationista & Chief
Knowledge & Library Services**

Basic Research - Disease Focused Research

650 Fewer NIH Research Grants in FY14

NIH Purchasing Power cut by 25% – Sequestration

19 Billion Could be Lost – Sequester Continues 10yrs

Young Researchers leaving – Industry or USA

28% Cancer Researchers – Postponed Clinical Trials

How & Who Sets Research Priorities?

Research: Team Sport



PHOTOMEDICINE AND LASER SURGERY

Mary Ann Liebert, Inc. publishers

Journals

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Alerts

Photomed Laser Surg. Jul 2011; 29(7): 443-446.

PMCID: PMC31283

doi: [10.1089/pho.2011.9908](https://doi.org/10.1089/pho.2011.9908)

Potential for Transcranial Laser or LED Therapy to Treat Stroke, Traumatic Brain Injury, and Neurodegenerative Disease

[Margaret A. Naeser](#), Ph.D., L.Ac.^{1,2} and [Michael R. Hamblin](#), Ph.D.^{3,4,5}

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NEAR-INFRARED (NIR) LIGHT PASSES readily through the scalp and skull and a small percentage of incident power density can arrive at the cortical surface in humans.¹ The primary photoreceptors for red and NIR light are mitochondria, and cortical neurons are

George Sgouros - Dose-Response in Radionuclide Therapy NIH Grant: 3 R01 CA-116477-07S1

Johns Hopkins University.

Informationist: Victoria Goode, Welch Medical Library. Grant creates online radiobiology reference tool, supports patient-specific dosimetry, enables micro-scale dosimetry with macro-scale imaging data. Informationist identifies relevant literature: supports

Myron Spector Tissue Engineering-Based Rehabilitation

VA RR&D, NIH, NSF, DoD, VA Research Enhancement Award REAP

Tissue engineering-based rehabilitation implements recent advances in biomaterials, cell and gene therapies for tissue and organ regeneration in veterans affected by traumatic injury, disease, and aging. This exciting approach is emerging as a viable alternative to augmentation or replacement of organs by orthotic and prosthetic devices.

Taking the Powerball Approach to Funding Medical Research

Winning a government grant is already a crapshoot. Making it official by running a lottery would be an improvement.

By FERRIC C. FANG And ARTURO CASADEVALL
April 14, 2014 7:08 p.m. ET
Participants anxiously await the announcement of the winning numbers, thinking to someone has to win, why not me? Just think of what I could do with the money next time. Powerball? Mega Millions? ... funding from the National Institut

The Budget Deal: An Okay End to a Very Bad Year for Medical Research

Congress's spending bill offers some relief to the National Institutes of Health, but Francis Collins says lawmakers are still scrimping on essential science.

MARK MICHELI | DEC 18 2013, 5:26 PM ET

NIH chief: Cuts put U.S. science at risk

By Liz Szabo, @LizSzabo, USA TODAY

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Budget pressures now force the National Institutes of Health to reject research proposals, putting scientific progress at risk and leading our brightest minds to consider careers overseas, says NIH Director Francis Collins.

112
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"In terms of scientific progress, 2013 has outstripped my expectations," Collins said. "...in terms of a downward spiral of support it has been much worse than I thought it would be at the beginning of the year."

TheScientist

Science Funds Feed the Economy