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Overview

• Landscape of Alzheimer’s disease
• National Plan to Address Alzheimer’s disease
• More information about the Alzheimer’s Association
• Alzheimer’s Association Science Initiatives and International Research Grant Program
Alzheimer’s and Mortality

- 6<sup>th</sup> leading cause of death across all ages
- 5<sup>th</sup> leading cause of death for those aged 65 and older
- Only cause of death among the top 10 in America without a way to prevent, cure or even slow its progression.

**Change in the Number of Deaths: 68%**

**Between 2000 and 2010**

- Breast Cancer: -2%
- Prostate Cancer: -8%
- Heart Disease: -16%
- Stroke: -23%
- HIV: -42%

*Based on preliminary 2010*
National Alzheimer’s Plan

• Contains goal to “Prevent and Effectively Treat Alzheimer’s by 2025”

• Key strategies:
  – Increase trial recruitment
  – Expand scale and scope of research
  – Accelerate drug development
Global Research & Development Funding Trends

% Change from 2012 to 2013

- China
- Germany
- Japan
- S. Korea
- Canada
- U.S.

Alzheimer’s is Underfunded

% Change in Deaths (2000-2010)

Research Funding Est. FY13 (in Billions)

- Breast Cancer: 2%
- Prostate Cancer: 8%
- Heart Disease: 16%
- Stroke: 23%
- HIV: 42%
- Alzheimer’s Disease: 68%

- Cancer: 5.4
- Heart Disease: 4
- HIV: 2
- Diabetes: 1
- Alzheimer’s: 0.45
Our vision is a world without Alzheimer’s disease

Our mission:
• Advance research
• Provide care and support
• Increase Concern & Awareness
• Public Policy & Advocacy Efforts
Alzheimer’s Association is a global leader in Alzheimer’s research
Convening & Connecting Scientists Around the Globe

Alzheimer's Association International Conference®
Make history at AAIC 2013 • Boston, MA • July 13 - 18, 2013
• Professional society of the Alzheimer’s Association, representing scientists and clinicians

• **Mission:** To increase the rate of progress of Alzheimer’s and dementia research

Currently, there are approximately 2,000 ISTAART members
Professional Interest Areas (PIAs)

PIAs are affinity groups within ISTAART that allow Alzheimer’s researchers with interests in specific subspecialties to network and collaborate.

Number of PIAs

- 2012: 4
- 2013: 11
Articles from our journal are downloaded an average of 30,000 times per month.
Largest Private Funder of Alzheimer's Research in the World

• Over $315 million to more than 2,200 scientific investigations since 1982
• Currently, over 350 on-going research projects in 21 countries funded by the Alzheimer’s Association
• Community of 5,500 active peer-review volunteer scientists from over 60 countries
• Fund broad spectrum of research (social-behavioral, cognitive, functional, basic, clinical) through open or targeted grant programs to scientists at all stages of their career
Peer Review Process

• ** LOI REVIEW **
• 1st Tier Review: peer review of 3-4 reviewers per application
  – Threaded discussion
  – Inflammatory evaluation
• 2nd Tier Review: MSAC Evaluation and Adjudication
  – Divergent adjudication
• Zenith 3rd Tier Review
LOI Review & Application Process

• Alignment with the research priorities of the Alzheimer’s Association

• Demonstrable innovation/novelty of the proposed project (especially in the context of the PIs recently funded work)

• Impact of project on Alzheimer’s disease and related dementia research

• Established investigators from other fields new to Alzheimer’s and related dementia research

• Evidence of methodological rigor that address the research question(s) being proposed
All Investigators Program
PROGRAM SUMMARY KEY DATES

- Program Announcement—By November 30, 2013
- Letter of Intent:
  - Open Date – January 2014
  - Deadline Date – February 2014
- Application Deadline- April 2014
- Award Announcement -  By August 30, 2014
- Alz.org/researchers
All Investigator Program Grant Opportunities

• New Investigator Research Grant (NIRG)  
  – Max. Per Year $60,000; Max. $100,000/2 years

• New Investigator Research Grant to Promote Diversity (NIRGD)  
  – Per Year $60,000; Maximum $100,000/2 years

• Mentored New Investigator Research Grant to Promote Diversity (MNIRGD)  
  – Per Year $60,000; Maximum $150,000/3 years
All Investigator Program Grant Opportunities

• Zenith Fellows Award
  – Max. Per Year $250,000; Max. $450,000/3 years

• Everyday Technologies for Alzheimer Care
  – Max. Per Year $90,000; Max. $200,000/3 years

• Investigator Initiated Research Grant (IIRG) in Targeted Research Areas
  – Max. Per Year $100,000; Max. $240,000/3 years
All Investigator Program Grant Opportunities

• Offer targeted requests for applications (RFA) - not confirmed for 2014

• In 2013, offered:
  • Understanding the Development and Devising Treatments for Alzheimer’s Disease in Individuals with Down Syndrome (DS/AD)
    – Early Career Award
    – Investigator Initiated
NEW INVESTIGATORS PROGRAM: FALL 2013
New Investigators

PROGRAM SUMMARY KEY DATES

• Letter of Intent:
  • Open Date – August 2014
  • Deadline Date – September 2014
• Application Deadline – October 2014
• Review Process – November - December 2014
• Award Announcement – By January 30, 2015
• Alz.org/grants
SCIENCE INITIATIVES/ ACTIVITIES OF THE ALZHEIMER’S ASSOCIATION
Lead Funder of the DIAN-TU

$4.2M grant to DIAN-TU
– International studies in the US, UK, Japan, and Australia
– Expansion of DIAN database
– Three simultaneous trials to test potential therapies:
  • Gantenerumab (Roche, Monoclonal antibody to AB)
  • Solaneuzumab (Lilly, Monoclonal antibody to AB)
  • TBD

Figures courtesy of Randall Bateman, MD, DIAN-TU
Global Alzheimer’s Association Interactive Network (GAAIN)

• Open Access
  – Growing trend in science
  – Provides an incredible return on investment for funded research

• Unprecedented database
  – Provide researchers worldwide with free-of-charge access to a vast repository of data

• Sophisticated analytical tools; massive computational power to ask complex questions
In Summary …

• Alzheimer’s disease global health crisis

• Association leads a number of efforts to support the community, AAIC, TrialMatch, ISTAART and *Alzheimer’s & Dementia*

• Inside look at the International Research Grant Program – programs, dates and tips
  - *All Investigators Program* – Spring 2014
  - *New Investigators Program* – Fall 2014

• Other resources
Thank you for your time!

www.alz.org/research
THE END OF ALZHEIMER’S STARTS WITH YOU